Board Meeting
October 15-16, 2002

Agenda Item
Attachment 2

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 2: Generation Study - Includes Extrapolation of Residential or Non-Residential Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to reach your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance (MS - 25)
1001 I Street
PO Box 4025 (mailing address)
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected . If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name: City of Baldwin Park		County: Los Angeles	
Authorized Signature: Shafique Nayer		Title: Director of Public Works	
Type/Print Name of Person Signing: Shafique Naiyer, P.E.		Date: 12/28/01	Phone ( ) Include Area Code: (626) 813-5251
Person Completing This Sheet (please print or type): Alex Stege		Title: Project Scientist	
Affiliation: SCS Engineers			
Mailing Address: 3711 Long Beach Boulevard	City: Long Beach	State: CA	ZIP Code: 90807
E-Mail Address: astege@scseng.com			

Section II: Information for New Generation-Based Study

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	1999

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The proposed generation study year is representative of average annual jurisdiction disposal and diversion since there were no significant unusual disposal or diversion events which were atypical or not representative of normal or average disposal or diversion.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year	**a. -11 %**	**Diversion rate calculated using new generation-based study**	**b. 26 %**
For existing base year pounds/person/day based on generation	**6**	**For new generation based study pounds/person/day based on generation**	**8**
Residential generation 57 %	**Non-Residential generation 43 %**	**Residential generation 32.33 %**	**Non-Residential generation 67.67 %**
Population existing generation-based study	**69330**	**Population new generation-based study**	**75000**

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide examples (e.g., change in jurisdiction's demographics).

The main reason for the large increase in diversion rate is the inaccuracy of the existing base year diversion study. New diversion programs which contributed to the diversion rate increase include: new paper recycling and source reduction programs, particularly at the local schools: new businesses which were not in existence prior to 1990 performing metals recycling, or older businesses which started new programs after 1990; and new grasscycle programs, particularly at schools and government buildings. The under-reporting of disposal in 1990 accounts for most of the increase in per-person generation rates; population increased by 9.4% between 1990 and 2000 (according to the 2000 census).

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The existing base year diversion rate is inaccurate (negative) because base year disposal, diversion, and generation were under-estimated. In particular, the underreporting of 1990 disposal tonnages in the SRRE became apparent in 1995 after Disposal Reporting began, when actual disposal was significantly greater than the SRRE's projected 1995 disposal. The resulting negative diversion rate made necessary a revision to the base year generation rate. The proposed new diversion rate is based on: (1) franchise hauler and Department of Conservation AB 2020 data for residential diversion; (2) CIWMB and LA County Disposal Reporting System for ADC and salvaged/recycled diversion estimates: and (3) a survey of 238 businesses out of 1376 businesses in Baldwin Park for commercial/industrial sector diversion. The commercial/industrial diversion estimates used average diversion rates for 233 surveyed businesses (17% of the total businesses) extrapolated to estimate the total sector diversion based on employment (i.e. per employee diversion rates).

7. Disposal Tonnage (enter values):	29422	56239	85662
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

☑ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LG Central/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities and diversion data records that support your claim and are available for Board audit. (**Note**: *the Board expects the jurisdictions to be able to provide all backup documentation, if requested.*) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (sheet will perform all addition calculations). If any diversion is from restricted wastes (i.e., agricultural wastes, inert solids [e.g. concrete, asphalt, dirt, etc.], white goods, and scrap metal), please identify those programs/waste types and fill out section 11. **Note**: *Restricted waste material should not be extrapolated in non-residential waste audits*. Please mark as attachment 8 all copies of survey sheets.

* Please provide detailed non-residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details subsantiating your claim.

Diversion Activity Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm	Actual Tons (A)	Estimated or Extrapolated Tons (B)	Total Tons (A+B)	Relative Percent to Total Generation (A+B)/Total Generation	Specific Material Type(s) (List programs with multiple materials together)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Residential Source Reduction Activities							
Backyard Composting							
Grasscycling							
Other Residential Source Reduction (list each program separately)							
Enter program name							
Enter program name							
Enter program name							
Enter program name							
Enter program name							
Subtotal, Res. Source Reduction	0	0	0				
Residential Recycling Activities							
Curbside Recycling	2388	N/A	2388	2.1%	Glass bottles, aluminum cans, PETE bottles, newspaper, mixed paper, OCC	Actual tons	Waste hauler (Waste Management) records
Buyback Centers	1782	N/A	1782	1.5%	Glass bottles, aluminum cans, PETE bottles	Actual tons	Department of Conservation AB 2020 Program data
Drop-off Centers		N/A					

Other Residential Recycling (list each program separately)							
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal, Residential Recycling	**4170**		**4170**	**3.6%**			
Residential Composting Activities							
Green Waste Drop-off		N/A					
Curbside Green Waste		N/A					
Christmas Tree Program		N/A					
Other Residential Composting (list each program separately)							
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal, Residential Composting	**0**		**0**				
Subtotal, Residential Diversion	**4170**	**0**	**4170**	**3.6%**			
Non-Residential Source Reduction Activities							
Non-Residential Waste Audits*	1377	4199	5576	4.8%	**See Section 9**	**See Section 9**	**See Section 9**
Other Non-Residential Source Reduction (list each program separately)							
1000-SR-XGC: City Landscape/Parks	206	N/A	206	0.2%	Green waste	Acres grasscycling	CIWMB Conversion factor 350 lbs/1,000 s.f.
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal, Non-Residential Source Reduction	**1583**	**4199**	**5782**	**5.0%**			
Non-Residential Recycling Activities							
Non-Residential Waste Audits*	2170	6618	8788	7.6%	**See Section 9**	**See Section 9**	**See Section 9**
Other Non-Residential Recycling (list each program separately)							
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal Non-Residential Recycling	**2170**	**6618**	**8788**	**7.6%**			

Non-Residential Composting Activities							
Non-Residential Waste Audits*	41	126	167	0.1%	See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)							
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal Non-Residential Composting	41	126	167	0.1%			
Subtotal, Non-Residential Diversion	3794	10943	14737	12.8%			
Residential/Non-Residential Diversion Activities							
ADC	739	N/A	738.79	0.6%	Green waste - includes both residential and non-residential	Actual tons	DRS
Sludge		N/A					
Scrap Metal		N/A					
Construction and Demolition		N/A					
Landfill salvage	9957	N/A	9957	8.6%	Inerts, rock, sand, dirt	Actual tons	DRS
Subtotal Residential/Non-Residential Diversion	10696		10695.79	9.3%			
Total Res/Non-Res Source Reduction Tons	1583	4199	5782	5.0%			
Total Diversion Tons	18660	10943	29602.79	26%			
Total Disposal Tons from Sec.7	85662		85661.7	74.3%			
Total Generation (Div+Dis)	104321	10943	115264.49				

Diversion Rate	26%

9. **Specific Non-Residential Sector Waste Audits–Top 10 Non-Residential Generators**

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from the largest to smallest, based on total diversion tons. The audit reference number should correspond to the number given your survey sheet.
(Table will perform all calculations).

Include an attachment, marked "Attachment 9", which includes a summary of all the generators surveyed and all extrapolation calculations used to estimate the diversion rate:

- Include copies of survey sheet(s) used.
- Include for each generator (use type of generator in lieu of specific generator name e.g., grocery store) each specific diversion activity and material type (e.g. cardboard recycling) and the associated tonnage for each diversion activity/material type, and applicable conversion factors/source.
- If using the number of employees for your extrapolation method, include this information for each generator surveyed.
- Please order the non-residential generators, largest to smallest, based on total diversion tons.
- Also, the summary should include the generators that were selected to be surveyed, but did not respond to the survey, and the number of employees at each of these generators.
- As a comparison between disposal from the waste audits and DRS, the disposal for each generator must be included in the summary. Also, you should note if the disposal is being used for the extrapolation calculation. For each non-residential generator, the disposal must be broken out by cubic yard, and roll-off or compactor weights. If disposal was estimated for either disposal-based or employment-based extrapolation methods, please include conversion factor(s) for disposal and the source for conversion factor(s). Please provide an explanation as to how the conversion factor(s) is (are) appropriate for your jurisdiction e.g., "Study was conducted to determine average weights using hauler weight tickets."

Type of Non-Residential Generator	Audit Reference Number	Specific Diversion Activities Including Material Type (e.g. paper recycling, grasscycling). (List activities on one line)	Number of Employees	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ___
Mexican food manufacturing	1	OCC recycling; aluminum cans recycling; grease recycling (sent to baking company); toner cartridge recycling; sratch pad reuse; towel use (paper towel savings); plastic crates and plastic pallets returned to supplers for re-use; wood pallet repair and reuse	170	223	253	0	**475.6**		O
Supermarket	2	Office paper recycling; OCC recycling; plastic stretch wrap recycling; food waste recycling (to rendering); office paper reuse (2-side copy and scratch); plastic totes reuse (replaces OCC); OCC boxes reuse; pallet reuse; baked goods to food bank; toner cartridge reuse.	35	90	258	20	**367.9**		O

Home appliance retail store	3	OCC recycling; aluminum cans recycling; wood pallet recycling (reclaimed by wood pallet manuf.); OCC reuse; use of computer network system (paper SR); wood pallet reuse; various materials donations to Habitat for Humanity	99	32	312	7	351.4		0
Restaurant distribution center	4	OCC recycling; office paper recycling; fiberboard recycling; plastic shrink wrap recycling; aluminum cans recycling; plastic bucket recycling; plastic VHS tapes recycling; wood pallet recycling (scavenger); food waste recycling (bones rendering); toner cartridge recycling; truck tire recycling; newspaper reuse; magazines reuse (re-routed); office paper reuse; on-line reporting (office paper SR); plastic pallet repair and reuse; plastic penuts reuse; plastic lens/goggles reuse; reuseable plastic totes (instead of OCC); food donations	250	166	60	1	227.2		0
Retail store	5	Office paper recycling; mixed paper recycling; office paper reuse; metal cart repair and reuse; wood pallet reuse; unsold garment donations; toner cartridge reuse	115	56	156	0	211.8		0
Plastic molding manufacturing	6	Office paper recycling; OCC recycling; aluminum cans and plastic soda bottles recycling (damaged products); toner cartridge recycling; plastic holder and plastic mug re-use; wood pallet re-use;	150	75	120	0	194.9		0

Hospital	7	OCC recycling; grease recycling; office paper SR (copy minimization, on screen reviews, use of phone system instead of timecards, two-sided copies, bulletin board use); magazine reuse; use of drink mugs, plastic (red bag, bulky dispenser) reuse; reusable towels; reuseable containers for milk; unused supply donations. Note that hospital has SR waste minimization policy ("starter kit")	2400	79	99	0	177.3		O
School	23	OCC recycling; computer paper recycling; aluminum cans recycling; plastic bottle recycling	19	0	35	0	35.1		O
School	26	OCC recycling; computer paper recycling; aluminum cans recycling; plastic bottle recycling; other organics (grease) recycling	80	0	33	0	33.3		O
Adult career training center	42	OCC recycling; food donations	90	8	9	0	16.5		O
Totals			3408	728	1335	28	2091		

Summarize the non-residential diversion activities for the top 10 generators quantification methodology and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

See attachment 9 text.
Please note that the CIWMB formula for calculating Percent of Total Generation for each of the top 10 generators contained an error , and because the cell is password protected, we were unable to fix the formula. Therefore, that column is blank

10. On a separate sheet of paper, "marked Attachment 10," provide the following information for each diversion program listed in Section 8 that was extrapolated from representative sampling. **Note:** *Do not include non-respondents in extrapolation because there is no data from the non-respondents. Extrapolate from survey respondents.*

A. Describe sampling method, including:

- Type of sampling method (for either stratified or cluster sampling, provide detailed information on how strata and clusters were collected)
- Total number of samples included in the survey
- Number of non-respondents and respondents
- Total population
- Source for identifying population (e.g., city business licenses, commercial database, resident's addresses, etc)
- Relation of sample size to total population
- Survey data collection tool(s) and approaches
- Confidence level and margin of error for the sampled population
- Unusual outliers and exceptional anomalies describe in detail.

Note: *Outliers (specific generators which fall significantly above or below others) should be removed from base amount prior to extrapolation)*

B. Describe the methods used to prevent double-counting between the surveys and the reported tonnages from haulers, recyclers, materials recycling facilities and composters.

C. Describe extrapolation method, including:

- Basis of extrapolation
- Why this extrapolation method is appropriate
- Sources of information used for extrapolation, such as disposal or employment
- Include all calculations

11. For each restricted waste type (i.e., agricultural waste, inert solids [e.g., concrete, asphalt, dirt etc.] scrap metals, and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: *program name refers to one specific diversion program for that waste type (e.g., "diversion conducted by city public waste department.)*

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Scrap Metal	Machine shop metal recycling (Ref. #83)	1997	5
Scrap Metal	Equipment salvage and re-build (S.R.) (Ref. #147)	1999	1
Scrap Metal	Metal fixtures & fittings salvage and reuse (S.R.) (Ref. #48)	1998	0
Scrap Metal	Scrap metal recycling; metal parts repair (SR) Ref. #19)	1999	2
Scrap Metal	Scrap metal recycling; 55-gallon drum reuse (Ref. #57)	1997	9
Scrap Metal	Metal cart repair by mobile workshop (SR) (Ref. #6)	1997	1

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 11b,"give the program and waste type, and provide documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).

- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. **Note:** *this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.*
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

Note: *If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 11b for that waste type and program.*
Instead, please provide date of Board approval of previous submitted information.) _____ (Date)
If documentation is not available, go to 11d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 11b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		

d. If the diversion program started before January 1, 1990, and the documentation requested in 11b is not available, please complete the table below for each program claimed. ***Note:*** *Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.*

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				

ATTACHMENT 9:
TEXT AND TABLE 1

Attachment #9 – Summary of Non-Residential Diversion Activities' Quantification Methodology and Applicable Conversion Factors for Top 10 Generators

Reference #1: Number of items diverted provided by contact person at business. Calculations/conversion factors as follows:

- OCC recycling: 3 yd3 x 3 times per week x 52 weeks x 50.08 lbs/yd3 (flattened, loose boxes - Tellus) = 23,437.44 lbs;
- Aluminum cans recycling: 30 cases/week x 52 weeks x 0.89 lbs/case (U.S. EPA) = 1,386.84 lbs;
- Grease (fat) recycling: 3 yd3 x (2 times/week) x 52 weeks x 27 ft3/yd3 x 57 lbs/ft3 (FEECO) = 497,640 lbs;
- Toner cartridge recycling: 8 cartridges every 2.5 months x 2.5 lbs/cartridge (U.S. EPA) = 153.60 lbs;
- Paper source reduction: 1 ream of paper scratch pads every 2 months x 5 lbs/ream (U.S. EPA) and 10 roll towels/day x 287 days/yr x 1.5 lbs/roll (provided by contact person) = 30 lbs;
- Plastic crate reuse: 250 per day x 287 days/yr x 5 lbs/crate (provided by contact person) = 358,750 lbs;
- Plastic pallet reuse: 5 per week x 52 weeks x 40 lbs/pallet (U.S. EPA) / 5 (reuse credit per CIWMB) = 2080 lbs;
- Wood pallet reuse: 95 pallets per week x 52 weeks x 40 lbs/pallet (U.S. EPA) / 5 (reuse credit per CIWMB) = 39,520 lbs; broken wood pallet repair and reuse: 40 pallets every 2 weeks x 26 per year x 40 lbs/pallet (U.S. EPA) = 41,600 lbs.

Reference #2: Number of items diverted provided by contact person at business. Calculation/conversion factors as follows:

- Office paper recycling: office paper baled with OCC estimated (per contact person) to be 20 lb/week x 52 weeks = 1040 lbs;
- OCC recycling: 2 bales/day x 360 days x 700 lbs/bale (provided by contact person) minus 1040 lbs/bale office paper = 502,960 lbs;
- Mixed paper recycling: 4 boxes of paper goods/week x 52 weeks x 50 lbs/box of goods (provided by contact person) = 10,400 lbs;
- Plastic stretch wrap recycling: 300 gal/week x 52 weeks/yr / 200 gal/yd3 x 22.55 lbs/yd3 (Tellus) = 1,760 lbs;
- Produce trims and spoils/bakery sales composting: 3 pallets of food/week x 250 lbs of food/pallet (provided by contact person) x 52 weeks = 39,000 lbs;
- Fats and meat/fish trims recycling (to rendering): 2 55-gallon drums full of food/week x 52 weeks x 410 lbs/55 gal food (U.S. EPA) = 42,640 lbs;
- Office paper reuse: 10 lbs/week (provided by contact person) x 52 weeks = 520 lbs;
- Plastic totes reuse: uses 10 per day, replaces 2.5 lbs OCC (per contact person): 10 totes x 7 days/week x 52 weeks x 2.5 lbs = 9100 lbs;
- OCC reuse: 72 boxes/week x 2 lbs/box (provided by contact person) x 52 weeks = 7488 lbs;
- Wood pallet reuse: 48 pallets/day for 3 days/week x 52 weeks x 40 lbs/pallet (U.S. EPA) / 5 (reuse credit per CIWMB) = 59,900 lbs;

- Baked goods to food bank (reuse): 2 carts per day of food x 30 lbs/cart (provided by contact person) x 7 days x 52 weeks = 21,840 lbs;
- Toner cartridge reuse: 18 per year x 2.5 lbs/cartridge (U.S. EPA) = 45 lbs.

Reference #3: Number of items diverted provided by contact person at business. Calculation/conversion factors as follows:

- OCC recycling: 40 bales/month x 12 months x 700 lbs/bale (provided by contact person) = 336,000 lbs;
- Aluminum cans recycling: 32 gallons of uncrushed cans x 2 times/week x 52 weeks = 5.61 lbs (per 33 gallons of cans, U.S. EPA) x 32/33 x 2 x 52 = 565.76;
- Green waste composting: 11 33-gallon containers of grass diverted to composting per week = 11 x 52 weeks x 25 lbs/container (U.S. EPA) = 14,300 lbs;
- Wood pallet recycling (to pallet manufacturer to make new pallets): 600 wood pallets recycled per month x 12 months x 40 lbs/pallet (U.S. EPA) = 288,000 lbs;
- OCC reuse: 4 boxes reused per day x 360 days/yr x 4 lbs/box (U.S. EPA) = 5760 lbs;
- Wood pallet reuse: 600 pallets returned to distributor/month x 12 months x 40 lbs/pallet (U.S. EPA) / 5 (CIWMB reuse credit) = 57,600 lbs;
- Various items source reduction: Donation to church and Habitat for Humanity = 500 lbs/yr (provided by contact person).

Reference #5: Number of items diverted provided by contact person at business. Calculation/conversion factors as follows:

- OCC recycling: 40 yd3 x 2 times per month x 12 months x 50.08 lbs/yd3 (Tellus) = 48,076.8 lbs;
- Office paper recycling: 2 x 3 yd3 / 2.5 weeks x 52 weeks x 363.51 lbs/yd3 (Tellus) = 10,469 lbs;
- Office paper recycling (file purging): 1000 lbs/yr (provided by contact person);
- Fiberboard recycling: 40 55-gallon fiberboard drums/month x 12 months x 25 lbs/drum (provided by contact person) = 12,000 lbs;
- Aluminum cans recycling: 800 cans/month x 12 months x 0.037 lbs/can (U.S. EPA: 24 cans = 0.89 lbs) = 355.2 lbs;
- Plastic shrink wrap recycling: 500 lbs/month (provided by contact person) x 12 months = 6000 lbs;
- Plastic bucket recycling: 360 5-gallon buckets/yr x 1.9 lbs/bucket (U.S. EPA) = 8,208 lbs;
- Green waste composting: 6,500 ft2 grass/week / 43,560 ft2/acre x 6.5 tons/acre (U.C. Riverside Extension study) x 2000 lbs/ton = 1940 lbs;
- Wood pallet recycling (picked up by scavenger): 30 pallets/month x 12 months x 40 lbs/pallet = 14,400 lbs;
- Newspaper reuse: 20 news routed through break rooms/month x 12 months x 1 lb/paper (U.S. EPA – assumes ~1/3 in. stack per paper) = 240 lbs;
- Mixed paper reuse: 45 magazines and catalogues routed through break rooms/month x 12 months x 3 lbs / 10 magazines (U.S. EPA) = 162 lbs;

- Office paper reuse: (a) Double-sided copying: 35% of 50 cases of paper used/yr is double sided copied = 35% x 50 x 5 lbs/ream (U.S. EPA) x 10 reams/case = 875 lbs; (b) scratch paper: 15% of 50 cases/yr x 5 lbs/ream (U.S. EPA) x 10 reams/case = 375 lbs;
- OCC source reduction: Use of reuseable/recyclable plastic totes results in SR of 8000 waxed OCC boxes/month x 12 months x 2.5 lbs/box (provided by contact person) = 240,000 lbs;
- Plastic pallet reuse: 500 pallets/month x 12 months x 40 lbs/pallet (U.S. EPA) / 5 (CIWMB reuse credit) = 48,000 lbs;
- Plastic peanuts reuse: 200 lbs/month (provided by contact person) x 12 months = 2400 lbs;
- Plastic VHS tape reuse: 175 tapes/month x 12 months x 0.75 lbs/tape (provided by contact person) = 1,575 lbs;
- Mixed materials reuse: Donations of 300 lbs of materials x 1.5 times per year (provided by contact person) = 450 lbs.

Reference #6: Number of items diverted provided by contact person at business. Calculation/conversion factors as follows:

- OCC recycling: 8 bales/week x 52 weeks x 750 lbs/bale (provided by contact person) = 312,000 lbs;
- Mixed paper reuse: unsold magazines, paperbacks, paper goods sent to vendors = 6 cases/week x 52 weeks x 40 lbs/case (provided by contact person) = 12,480 lbs;
- Office paper reuse: 20% of 1690 lbs are two-sided copying (provided by contact person) = 338 lbs;
- OCC reuse: 25 boxes/day x 6 days/week x 52 weeks x 0.3125 lbs/box (CIWMB multi-use credit: 2.5 lbs/box [field measure] / 8 cycles [average life of multi-use box]) = 2440 lbs;
- Metal reuse: Metal carts repaired by mobile workshop = 1000 lbs/yr (provided by contact person);
- Wood pallet reuse: 40 pallets/day x 5 days/week x 52 weeks x 40 lbs/pallet (U.S. EPA) / 5 (CIWMB reuse credit) = 83,200 lbs;
- Textile reuse: Unsold garments donated = 2 pallets/month x 12 months x 500 lbs clothes/pallet (provided by contact person) = 12,000 lbs;
- Toner cartridge reuse: 36 cartridges/yr x 2.5 lbs/cartridge (U.S. EPA) = 90 lbs.

Reference #7: Number of items diverted provided by contact person at business. Calculation/conversion factors as follows:

- OCC recycling: 20,000 lbs of OCC/month (provided by contact person) x 12 months = 240,000 lbs;
- Office paper recycling: 33-gallon container of office paper / 2 weeks x 52 weeks x 25.41 lbs/33-gallon container (U.S. EPA) = 660.66 lbs;
- OCC reuse: 1250 containers/month x 12 months x 2.2 lbs/container (U.S. EPA) = 33,000 lbs;

- Plastics reuse: 100 plastic containers x 2 times per year x 60 lbs/container (provided by contact person) = 12,000 lbs;
- Wood pallet repair and reuse: 100 pallets reused / 2 weeks x 52 weeks x 40 lbs/pallet (U.S. EPA) = 104,000 lbs.

Reference #8: Number of items diverted provided by contact person at business. Note that source has a waste minimization policy which accounts for source reduction activities. Calculation/conversion factors as follows:

- OCC recycling: 20 bales (1 cubic yd) x 2 times per month x 12 months x 400 lbs/yd3 (U.S. EPA) = 192,000 lbs;
- Grease recycling: 55 gallon drum of grease per month x 12 months x 410 lbs/55 gal. Drum (U.S. EPA) = 4,920;
- Office paper source reduction: (a) 20 papers on 10 bulletins/month = 20 papers x 10/month x 12 months x 0.012 lbs/paper (U.S. EPA – assumes 1000 papers/12-in stack); (b) copy minimization, on-screen reviews, two-sided copies, and records stored on disk saves 1 case/week = 52 weeks x 10 reams/case x 5 lbs/ream (U.S. EPA) = 2600 lbs; (c) timesheets done by phone system every 2 weeks = 2400 sheets/2 weeks x 52 weeks x 0.01 lb/sheet (U.S. EPA at 5 lbs/ream / 500 sheets ream) = 624 lbs.
- Mixed paper source reduction: 50 journals and magazines shared/week x 52 weeks x 3 lbs/10 magazines (U.S. EPA) = 780 lbs;
- Plastic reuse: 40 reuseable red bags x 2 times/week x 52 weeks x 9 lbs/bag (provided by contact person) = 37,440 lbs;
- Mixed materials donations: 3000 lbs/yr (provided by contact person).

Reference #21: Number of items diverted provided by contact person at business. Calculation/conversion factors as follows:

- OCC recycling: 3 yd3 containers x 40 weeks x 50.08 lbs/yd3 (Tellus) = 6010 lbs;
- Mixed paper (compacted) recycling: 3 yd3 containers x 40 weeks x 2/3 full x 755 lbs/yd3 (U.S. EPA) = 60,430 lbs;
- Glass recycling: 2,851 lbs/yr (provided by contact person);
- Aluminum cans recycling: 4 30 gallon bags/week x 40 weeks x 5.61 lbs/33 gallon bag (U.S. EPA) x 30/33 = 816 lbs.

Reference #24: Number of items diverted provided by contact person at business. Calculation/conversion factors as follows:

- OCC recycling: 3 yd3 containers x 40 weeks x 50.08 lbs/yd3 (Tellus) = 6010 lbs;
- Mixed paper (compacted) recycling: 3 yd3 containers x 40 weeks x 2/3 full x 755 lbs/yd3 (U.S. EPA) = 60,430 lbs;
- Aluminum cans recycling: 1 13 gallon bag/week x 7.02 lbs/13 gallon bag (U.S. EPA) x 10 weeks = 70.2 lbs;

Reference #40: Number of items diverted provided by contact person at business. Calculation/conversion factors as follows:

- OCC recycling: 4 yd3/day x 261 days x 16.64 lbs/yd3 (Tellus) = 17,372 lbs;
- Donated food (other organics SR): 300 lbs/week (provided by contact person) x 52 weeks = 15,600 lbs.

where the City needs to explain the methodology used to quantify each material type diverted by the top 10 businesses and list the conversion factors used when quantifying the material types. Please see the examples below and the inserted Excel document as an example of a preferred submittal.

Examples

For the top 10 businesses the City quantified the diversion amount for all of the materials being diverted in the following ways:

- Cardboard recycling: Two of the top 10 businesses had cardboard recycling. Both of the businesses provided the weights of the baled cardboard they divert per week. Business 7 had 400/lbs/cy bale: Business 12 had 2000lbs/cy bale. Conversion factors are actual bale weights.

- Sawdust composting: The business (Business 3) allowed the consultant to weigh the full bin and the empty bin. The difference was 523 lbs. The bin is collected once every two weeks and is full each time it is collected. The City multiplied 523 lbs. times 52 weeks/2.

- Food waste composting: The business (Business 5) provided actual weight tickets from compost facility for the amount of material backhauled. The City used actual tonnage for that supermarket.

- The City needs to provide an attachment 9, which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type. Include copies of survey forms(s) used. The following spreadsheet example (see below) shows what should be submitted for **all** of the generators surveyed. Because you are including extrapolation in the new base year generation study, which uses both number of employees and disposal, you also need to include, for each generator surveyed, the number of employees, the cubic yards of disposal, the total tons of disposal, and if it is roll off or compactor weights.

TABLE 5.
SUMMARY OF COMMERCIAL AND INDUSTRIAL SECTOR SURVEY RESULTS
CITY OF BALDWIN PARK - NEW BASE YEAR GENERATION STUDY (1999)

Row	Description	Tonnage
	Survey Data for Large Business (with 80% of employees)	
A	Total number of employees surveyed (excludes non-respondents)	5,724
B	Total disposal tonnage by audited hauler accounts	4,581
C	Total source reduction tonnage by audited hauler accounts	852
D	Total recycling tonnage by audited hauler accounts	1,375
E	Total diversion tonnage by audited hauler accounts [C + D]	2,228
F	Total generation tonnage from audits of hauler accounts [B + E]	6,809
G	Average Source Reduction Rate from audits of hauler accounts [C / F]	12.5%
H	Average Recycling Rate from audits of hauler accounts [D / F]	20.2%
I	Average Diversion Rate from audits of hauler accounts [G + H]	**32.7%**
	Survey Data for Small Businesses (with 20% of employees)	
J	Total number of employees surveyed (excludes non-respondents)	1,394
K	Total disposal tonnage by audited hauler accounts	2,560
L	Total source reduction tonnage by audited hauler accounts	157
M	Total recycling tonnage by audited hauler accounts	468
N	Total diversion tonnage by audited hauler accounts [L + M]	625
O	Total generation tonnage from audits of hauler accounts [K + N]	3,185
P	Average Source Reduction Rate from audits of hauler accounts [L / O]	4.9%
Q	Average Recycling Rate from audits of hauler accounts [M / O]	14.7%
R	Average Diversion Rate from audits of hauler accounts [P + Q]	**19.6%**
	Summary of All Survey Data	
S	Total number of employees surveyed (excludes non-respondents) [A + J]	7,118
T	Total disposal tonnage by audited hauler accounts [B + K]	7,141
U	Weighted Average (80/20) Source Reduction Rate from audits of hauler accounts [G*.8 + P*.2]	**11.0%**
V	Weighted Average (80/20) Recycling Rate from audits of hauler accounts [H*.8 + Q*.2]	**19.1%**
W	Weighted Average (80/20) Diversion Rate from audits of hauler accounts [U + V]	**30.1%**

TABLE 6. EXTRAPOLATION OF SURVEY RESULTS TO ESTIMATE COMMERCIAL AND INDUSTRIAL SECTOR DIVERSION CITY OF BALDWIN PARK - NEW BASE YEAR GENERATION STUDY (1999)

Row	Description	Amounts
	City-Wide Total Disposal Rates	
A	Jurisdiction Total Disposal (1999 Disposal Reporting System Tonnage)	85,662
B	Disaster Related Disposal	0
C	Corrected Disposal Tonnage for 1999	85,662
	City-Wide Residential Disposal Rates	
D	Residential Disposal Tonnage, Exclusive Franchise Hauler	29,422
	City-Wide Commercial and Industrial Disposal Rates	
E	Commercial and Industrial Disposal Tonnage (Hauler Accounts)	29,611
F	Commercial and Industrial Disposal Tonnage (Self Haul)	26,628
G	Total Commercial and Industrial Disposal Tonnage	56,239
	Commercial/Industrial Hauler Accounts Survey Summary	
H	Total number of employees surveyed (excludes non-respondents and outliers) [Table 5 Row S]	7,118
I	Total generation tonnage by audited hauler accounts [(Table 5 Row T) / (1 - Table 5 Row W])]	10,216
J	Weighted Average Source Reduction Tonnage from audits of hauler accounts [I * (Table 5 Row U)]	1,124
K	Weighted Average Recycling Tonnage from audits of hauler accounts [I * (Table 5 Row V)]	1,951
L	Weighted Average Diversion Tonnage from audits of hauler accounts [J + K]	**3,075**
	Extrapolation of Survey Data to City-Wide Commercial/Industrial Hauler Accounts	
M	Total number of employees city-wide in 1999 [CA Employment Development Department]	29,830
N	Fraction of employees in city covered by survey [H / M]	23.9%
O	Extrapolated Commercial and Industrial Generation Tonnage from hauler accounts [I / N]	42,814
P	Extrapolated Commercial and Industrial Source Reduction Tonnage from hauler accounts [J / N]	4,710
Q	Extrapolated Commercial and Industrial Recycling Tonnage from hauler accounts [K / N]	8,178
R	Extrapolated Commercial and Industrial Diversion Tonnage for hauler accounts [P + Q]	12,887
	Summary for All Commerical/Industrial Waste (without ADC and landfill salvage allocation)	
S	Commercial and Industrial Disposal Tonnage [G]	56,239
T	Commercial and Industrial Diversion Tonnage [R]	12,887
U	Commercial and Industrial Generation Tonnage [S + T]	69,127
V	Commercial and Industrial Diversion Rate [T / U]	**18.6%**

TABLE 7.
DISPOSAL, DIVERSION, AND GENERATION CALCULATION DETAILS
CITY OF BALDWIN PARK - NEW BASE YEAR GENERATION STUDY (1999)

Row	Description	Amounts
	Residential Sector Summary (excludes ADC and salvage)	
A	Residential Disposal Tonnage (Franchise Hauler Data)	29,422
B	Residential Diversion Tonnage (Franchise Hauler Data) with greenwaste	2,388
C	AB 2020 Recycling Tonnage (DOC data for 6 months x 2)	1,782
D	Residential Source Reduction Tonnage (Franchise Hauler Data)	0.0
E	Residential Recycling Tonnage [B + C]	4,170
F	Residential Diversion Tonnage [D + E]	4,170
G	Residential Generation Tonnage [A + E + F]	33,592
H	Residential Diversion Rate [F / G]	12.4%
	Commercial and Industrial Sector Summary (excludes ADC and salvage)	
G	Commercial and Industrial Disposal Tonnage [Table 6 Row G]	56,239
H	City Landscape/Parks Diversion Program Tonnage	206
I	City Owned/Operated Programs Tonnage (Road Base Recycling)	0
J	Extrapolated Commercial and Industrial Source Reduction Tonnage [Table 6 Row P + H]	4,916
K	Extrapolated Commercial and Industrial Recycling Tonnage [Table 6 Row Q]	8,178
L	Extrapolated Commercial / Industrial Diversion Tonnage [J + K]	12,887
M	Commercial and Industrial Diversion Tonnage [H + I + L]	13,093
N	Commercial and Industrial Generation Tonnage [G + M]	69,333
O	Commercial and Industrial Diversion Rate [M / N]	18.9%
	Diversion Reported by County Disposal Reporting System	
P	Alternative Daily Cover Tonnage (CIWMB DRS)	652
Q	Salvaged/Recycled Tonnage (LA County DRS)	9,957
R	County Landfill ADC / Recycled Diversion Tonnage [P + Q]	10,609
	Allocation of County DRS Reported Diversion to City Sectors	
S	Residential Sector Diversion Allocation (based on disposal %) [A / (A + G)]	34.3%
T	Commercial and Industrial Sector Diversion Allocation (based on disposal %) [G / (A + G)]	65.7%
U	Residential Sector Diversion Allocation Tonnage [R * S]	3,644
V	Commercial and Industrial Sector Diversion Allocation Tonnage [R * T]	6,965
	Overall 1999 Jurisdiction Summary	
W	1999 Disposal Tonnage [A + G]	**85,662**
X	1999 Diversion Tonnage [F + M + R]	**27,872**
Y	1999 Generation Tonnage [W + X]	**113,534**
Z	1999 Diversion Rate [X / Y]	**24.5%**

TABLE 8.
SUMMARY OF RESULTS
CITY OF BALDWIN PARK
NEW BASE YEAR GENERATION STUDY (1999)

Description	Tonnage
Residential Sector Summary	
Residential Disposal Tonnage	29,422
Residential Diversion Tonnage	7,814
Residential Generation Tonnage	37,236
Residential Diversion Rate	**21.0%**
Commercial and Industrial Sector Summary	
Commercial and Industrial Disposal Tonnage	56,239
Commercial and Industrial Diversion Tonnage	20,058
Commercial and Industrial Generation Tonnage	76,297
Commercial and Industrial Diversion Rate	**26.3%**
Overall 1999 Jurisdiction Summary	
1999 Disposal Tonnage	85,662
1999 Diversion Tonnage	27,872
1999 Generation Tonnage	113,534
1999 City of Baldwin Park Diversion Rate	**24.5%**

ATTACHMENT 10:
TEXT AND TABLES 2-7

ATTACHMENT 10

A. DESCRIBE SAMPLING METHOD

1. Type of Sampling Method

Businesses were selected for survey by random sampling from the franchise hauler route list. No businesses which conduct self-hauling of refuse or recyclables were included in the survey. Each waste survey was conducted onsite by an employee of Eugene Tseng and Associates, Inc.

2. Total Number of Samples Included in the Survey

A total of 238 businesses which responded were included in the survey. Diversion rates were calculated based on reported amounts of materials diverted, using conversion factors provided by the CIWMB (in Appendix J of "Conducting a Diversion Study - A guide for California jurisdictions," April 2001). Data from the respondents was subjected to an outlier analysis based on estimated diversion rates. See discussion below for outlier analysis methodology.

3. Number of Non-Respondents and Respondents

There were a total of 238 businesses (commercial/industrial generators) which responded to the survey. The number of non-respondents was not tracked and is unknown.

4. Total Population

The total population from which the sample was derived included 1,376 commercial and industrial businesses which existed in Baldwin Park in 1999 and which employed 29,830 persons, according to the State of California Employment Development Department, Labor Market Information Division. Prior to outlier analysis, the sample population consisted of 238 businesses which employed 8,015 persons. Data used for extrapolating diversion rates (following outlier analysis) was derived from 233 businesses employing 7,367 persons.

5. Source for Identifying Population

The source for identifying the sampled population was the franchise hauler's list of business accounts along the City's collection routes.

6. Relation of Sample Size to Total Population

The survey collected data from 17.3% of commercial or industrial businesses in the City representing 26.9% of the total number of employees in the City. Commercial and industrial diversion rates were extrapolated from 16.9% of commercial or industrial businesses in the City representing 24.7% of the total number of employees in the City.

7. Survey Data Collection Tools and Approaches

The commercial and industrial diversion rate survey was conducted under the direction of Mr. Tseng and targeted commercial and industrial generators, including businesses, schools, and City Government buildings. Trained staff completed survey forms during on-site surveys and interviews with business representatives from the facility familiar with the waste generation and recycling activities at the site. Many of the larger facilities required follow-up phone calls or visits to other individuals in order to complete or verify information. Data collected included information on the following: number of employees, disposal volumes, diversion programs, and types and amounts of each material type diverted.

8. Confidence Level and Margin of Error for the Sampled Population

It is assumed that the required information pertains to the 90 percent confidence interval and standard deviation for the survey results (in terms of percent diversion) used for extrapolating commercial/industrial diversion rates. This information is summarized in the table below, and is based on the data presented in Tables 3 and 4.

Number of samples (N) included in survey which were used for extrapolation (after exclusion of outliers)	233
Average diversion rate (M) from surveyed businesses	33.2%
Standard deviation (s) of sample mean	23.7%
Standard error ($s_M = s/N^{0.5}$) of the sample mean	1.6%
90 percent confidence level – lower limit	30.6%
90 percent confidence level – upper limit	35.7%

9. Outliers Should Be Removed from Base Amount Prior to Extrapolation

An outlier analysis was conducted to remove data from businesses which had recycling or source reduction rates which were significantly above or below average rates for the sample group. Businesses with recycling or diversion rates more than 2 standard deviations above the sample mean were considered outliers and removed from the database used for extrapolation, if they were the only business of a particular type in the City, or unless they were implementing diversion programs which were unique for the City. (No businesses had source reduction or diversion rates below two standard deviations below the mean.) A total of 4 businesses were excluded based on these criteria. In addition, one business which had survey data sheets missing was treated as an outlier and excluded from the extrapolation.

The outlier analysis is shown in Table 2 (excluded businesses are shaded), and the results of the outlier analysis, showing data for the remaining 233 businesses after the 5 businesses were excluded, is shown in Table 3.

10. Unusual Outliers and Exceptional Anamolies Should be Described in Detail

As described above, all unusual outliers and exceptional anamolies were removed prior to extrapolation, if the businesses were unique in the City or which had unique diversion programs. The statistical analysis identified 33 businesses as outliers; 29 of the 33 businesses were not considered outliers and were included in the extrapolation rate calculations.

B. DESCRIBE METHODS USED TO PREVENT DOUBLE-COUNTING BETWEEN THE SURVEYS AND THE REPORTED TONNAGES FROM HAULERS, RECYCLERS, MRFs, AND COMPOSTERS

The survey collected disposal and diversion information from commercial and industrial sources which were served by the City's franchise hauler. The survey was used solely for extrapolating diversion rates for commercial and industrial generators served by the franchise hauler, since residential disposal and diversion information was obtained directly from the hauler's records, and no commercial or industrial self-haul diversion was credited towards the City's diversion rates. The only commercial and industrial diversion which was not derived from extrapolation of the survey results was the Alternative Daily Cover tonnage, and the salvaged or recycled tonnage from the Los Angeles County Disposal Reporting System, which was attributed to the City of Baldwin Park.

C. DESCRIBE EXTRAPOLATION METHOD

1. Basis of Extrapolation

The extrapolation of the commercial and industrial generator survey to City-wide commercial and industrial diversion rates was based on number of employees. Following the outlier analysis and exclusion, average source reduction, recycling, and overall diversion rates were estimated. The results are summarized in Section A.8 above and shown in Tables 3 and 4. As shown in Table 4, the (weighted) average diversion rate from the survey was 33.2 percent.

Methods for extrapolating the survey results to estimate City-wide commercial and industrial diversion rates are shown in detail in Table 5. Table 6 shows disposal, diversion, and generation calculation details, including allocation of diversion reported by the County's Disposal Reporting System to the residential and commercial/industrial sectors. Table 7 summarizes the results of the study, which shows the overall 1999 diversion rate for Baldwin Park to be 25.7 percent. The employee-based extrapolation method was requested by Mr. Eugene Tseng, who noted that the method was preferred by CIWMB staff and felt that it was appropriate for handling the survey data which was conducted under his direction.

2. Why Extrapolation Method is Appropriate

Because of the large number of businesses in the City of Baldwin Park, it would have been very costly and time-consuming to survey all businesses or even all of the larger generators. Surveying a significant portion of the businesses (17.3%) in the City was appropriate considering that, after outliers were excluded, 233 businesses were sampled, which is 6 above the required number for statistical significance (226 per Appendix K of the CIWMB study guide).

3. Sources of Information Used in Extrapolation

Sources of information use for extrapolation include the reported number of employees at surveyed businesses and the total number of employees in Baldwin Park, which was taken from employment data for 1999 from the California Employment Development Department.

TABLE 2. BALDWIN PARK AUDIT DATABASE - OUTLIER ANALYSIS

Number	Type of Business	Number of Employees	Disposal (tons/yr)	Total Recycling (lbs/yr)	Total Recycling (tons/yr)	Total Composting (lbs/yr)	Total Composting (tons/yr)	Total Source Reduction (lbs/yr)	Total Source Reduction (tons/yr)	Total Diversion (tons/yr)	Total Generation (tons/yr)	Recycling Rate (%)	Composting Rate (%)	Source Red. Rate (%)	Recycling Outliers (if -)*	Composting Outliers (if -)*	Source Red Outliers (if -)*
1	Mexican food manufacturing	170	405.60	505,088	252.5	0	0.0	446,285	223.1	475.7	881.29	28.66%	0.00%	25.32%	0.21	0.11	0.24
2	Supermarket	35	58.50	516,160	258.1	99,000	49.5	180,537	90.3	367.8	426.35	60.53%	4.57%	21.17%	0.11	0.06	0.28
3	Home appliance retail store	99	468.00	624,566	312.3	11,300	7.2	63,860	31.9	351.4	819.36	38.11%	0.87%	3.90%	0.12	0.10	0.45
4	Government administration	125	15.60	127,501	63.8	536,000	273.0	11,721	5.9	342.6	358.21	17.80%	76.21%	1.64%	0.32	0.65	0.47
5	Restaurant distribution center	250	88.92	120,093	60.0	1,900	1.0	332,391	166.2	227.3	316.18	18.99%	0.31%	52.58%	0.31	0.10	0.03
6	Retail Store	115	233.00	312,000	156.0	0	0.0	111,518	55.8	211.8	445.77	35.00%	0.00%	12.51%	0.15	0.11	0.36
7	Plastic molding manufacturing	150	70.20	240,661	120.3	119	0.1	149,000	74.5	194.9	265.10	45.39%	0.03%	28.10%	0.04	0.11	0.21
8	Hospital	2,300	1,263.60	196,920	98.5	0	0.0	157,526	78.8	177.2	1,430.82	6.83%	0.00%	5.47%	0.43	0.11	0.44
9	Mail service	475	263.25	181,882	90.9	0	0.0	0	0.0	90.9	354.19	25.68%	0.00%	0.00%	0.24	0.11	0.49
10	Commercial labeling service	9	7.80	5,288	2.6	0	0.0	127,400	63.7	66.3	74.14	3.57%	0.00%	85.91%	0.46	0.11	0.43
11	Mfg. Envelope	10	9.75	122,829	61.4	0	0.0	2,921	1.5	62.9	72.63	84.56%	0.00%	2.01%	0.35	0.11	0.47
12	Mfg. extruder, converter, printer	95	70.20	90,000	45.0	0	0.0	20,879	10.4	55.4	125.64	35.82%	0.00%	8.31%	0.14	0.11	0.41
13	Plastic molding manufacturing	8	16.64	36,165	18.1	0	0.0	70,180	35.1	53.2	69.79	25.91%	0.00%	50.25%	0.24	0.11	0.79
14	School	75	78.00	1,130	0.6	0	0.0	97,898	48.9	49.5	127.52	0.45%	0.00%	38.39%	0.49	0.11	0.11
15	Automotive Parts	50	11.70	83,976	42.0	0	0.0	0	0.0	42.0	53.69	78.21%	0.00%	0.00%	0.25	0.11	0.47
16	Auto wheel distributor	30	15.60	2,610	1.3	0	0.0	77,167	38.6	39.9	55.49	2.35%	0.00%	69.53%	0.47	0.11	0.71
17	Wholesale children books	50	52.00	13,251	6.6	0	0.0	66,053	33.0	39.7	91.65	7.23%	0.00%	36.03%	0.43	0.11	0.13
18	Importer and Distributor	19	24.96	53,500	26.8	0	0.0	25,280	12.6	39.4	64.35	41.57%	0.00%	19.64%	0.08	0.11	0.29
19	Tool hardware distributor	8	6.69	0	0.0	0	0.0	73,341	36.7	36.7	43.36	0.00%	0.00%	84.58%	0.50	0.11	0.36
20	School	56	78.00	72,293	36.4	0	0.0	68	0.0	36.4	114.43	31.81%	0.00%	0.03%	0.18	0.11	0.49
21	School	19	156.00	70,107	35.1	0	0.0	0	0.0	35.1	191.05	18.35%	0.00%	0.00%	0.31	0.11	0.49
22	School	49	58.50	68,869	34.4	0	0.0	136	0.1	34.5	93.00	37.03%	0.00%	0.07%	0.13	0.11	0.49
23	School	59	78.00	68,458	34.2	0	0.0	36	0.0	34.2	112.25	30.49%	0.00%	0.02%	0.19	0.11	0.42
24	School	80	140.40	66,510	33.3	0	0.0	0	0.0	33.3	173.66	19.15%	0.00%	0.00%	0.31	0.11	0.49
25	School	40	78.00	129	0.1	0	0.0	65,597	32.8	32.9	110.86	0.06%	0.00%	29.58%	0.50	0.11	0.19
26	Cassette manufacturing	24	29.25	65,395	32.7	0	0.0	18	0.0	32.7	61.96	52.77%	0.00%	0.01%	0.03	0.11	0.15
27	School	23	58.50	64,090	32.0	0	0.0	1,087	0.5	32.6	91.09	35.18%	0.00%	0.60%	0.15	0.11	0.46
28	School	20	78.00	63,025	31.5	0	0.0	1,948	1.0	32.5	110.49	28.52%	0.00%	0.88%	0.21	0.11	0.47
29	Restaurant	26	46.80	53,086	26.5	0	0.0	3,516	1.8	28.3	75.10	35.34%	0.00%	2.34%	0.14	0.11	0.47
30	Party good retail store	9	15.60	54,750	27.4	0	0.0	430	0.2	27.6	43.20	63.38%	0.00%	0.51%	0.13	0.11	0.48
31	Furniture Distributor	8	78.00	15,600	7.8	0	0.0	37,716	18.9	26.7	104.66	7.45%	0.00%	18.02%	0.42	0.11	0.31
32	Soft drink Warehouse/Distribution center	200	93.60	20,976	10.5	2,167	1.1	30,076	15.0	26.6	120.21	8.72%	0.90%	12.51%	0.41	0.10	0.36
33	Lighting Manufacturing	33	15.60	51,028	25.5	0	0.0	1,251	0.6	26.1	41.74	61.13%	0.00%	1.50%	0.11	0.11	0.47
34	Office supply retail store	19	15.60	44,200	22.1	0	0.0	5,460	2.7	24.8	40.43	54.66%	0.00%	6.75%	0.05	0.11	0.42
35	Mental disorder care center	300	74.88	5,108	2.6	0	0.0	43,870	21.9	24.5	99.37	2.57%	0.00%	22.07%	0.47	0.11	0.22
36	Binding manufacturing	50	23.40	5,210	2.6	0	0.0	41,659	20.8	23.4	46.83	5.56%	0.00%	44.47%	0.44	0.11	0.05
37	Aerospace parts mfg	40	7.80	2,340	1.2	0	0.0	42,483	21.2	22.4	30.21	3.87%	0.00%	70.31%	0.46	0.11	0.21
38	Wholesale swim apparel	12	23.40	21,533	10.8	0	0.0	18,629	9.3	20.1	41.48	24.76%	0.00%	21.42%	0.25	0.11	0.28
39	Commercial printing	14	15.60	35,134	17.6	0	0.0	397	0.2	17.8	33.37	52.65%	0.00%	0.59%	0.01	0.11	0.48
40	Adult career training center	90	182.20	17,372	8.7	0	0.0	15,600	7.8	16.5	203.69	4.26%	0.00%	3.83%	0.46	0.11	0.45
41	Wholesale hardware products	8	7.80	2,197	1.1	4,334	2.2	26,108	13.1	16.3	24.12	4.55%	8.98%	54.12%	0.45	0.02	0.05
42	Hotel	120	124.80	20,591	10.3	0	0.0	11,483	5.7	16.0	140.84	7.31%	0.00%	4.08%	0.43	0.11	0.45
43	Metal Fabrication	100	39.00	23,400	11.7	0	0.0	6,648	3.3	15.0	54.02	21.66%	0.00%	6.15%	0.28	0.11	0.43
44	Plumbing Supplies	12	6.24	720	0.4	0	0.0	28,134	14.1	14.4	20.67	1.74%	0.00%	68.07%	0.48	0.11	0.19
45	Grocery store	3	15.60	26,980	13.5	0	0.0	1,730	0.9	14.4	29.96	45.03%	0.00%	2.89%	0.05	0.11	0.46
46	Clothing Store	26	39.00	23,400	11.7	0	0.0	3,854	1.9	13.6	52.63	22.23%	0.00%	3.66%	0.28	0.11	0.45
47	Distributor health & beauty products	30	15.60	2,939	1.5	0	0.0	23,318	11.7	13.1	28.73	5.12%	0.00%	40.58%	0.45	0.11	0.08
48	Auto tire repair & retail	2	3.90	1,003	0.5	0	0.0	24,312	12.2	12.7	16.56	3.03%	0.00%	73.42%	0.47	0.11	0.21
49	Computer Import	30	52.00	24,025	12.0	0	0.0	672	0.3	12.3	64.35	18.67%	0.00%	0.52%	0.31	0.11	0.48
50	Muffler repair/replacement	3	1.95	24,469	12.2	0	0.0	0	0.0	12.2	14.18	86.25%	0.00%	0.00%	0.36	0.11	0.49
51	Distributor kitchen & bath products	20	7.80	8,613	4.3	3,300	1.7	11,000	5.5	11.5	19.29	22.33%	8.71%	28.52%	0.27	0.02	0.20
52	Animal Food Supplies	6	5.15	5,600	2.8	0	0.0	17,270	8.6	11.4	16.58	16.88%	0.00%	52.07%	0.33	0.11	0.03
53	Assembly keeper stair	22	7.02	29	0.0	0	0.0	22,299	11.1	11.2	18.18	0.08%	0.00%	61.32%	0.50	0.11	0.15
54	Tire supplies	2	5.20	20,846	10.4	0	0.0	650	0.3	10.7	15.95	65.36%	0.00%	2.04%	0.16	0.11	0.47
55	Wood furniture manufacturing	30	78.00	241	0.1	0	0.0	20,816	10.4	10.5	88.53	0.14%	0.00%	11.76%	0.50	0.11	0.33
56	Metal Fabrication	11	5.15	18,000	9.0	0	0.0	2,840	1.4	10.4	15.57	57.81%	0.00%	9.12%	0.05	0.11	0.40
57	Warehouse/Distribution	18	39.00	11,700	5.9	0	0.0	8,830	4.4	10.3	49.27	11.87%	0.00%	8.96%	0.38	0.11	0.40
58	Color/Chemical	15	12.17	540	0.3	0	0.0	19,743	9.9	10.1	22.31	1.21%	0.00%	44.25%	0.49	0.11	0.05
59	Grocery and Liquor Store	5	3.12	20,075	10.0	0	0.0	0	0.0	10.0	13.16	76.29%	0.00%	0.00%	0.36	0.11	0.42
60	Grocery Store	5	31.20	150	0.1	0	0.0	19,715	9.9	9.9	41.13	0.18%	0.00%	23.97%	0.50	0.11	0.35
61	Grocery store	5	8.37	4,178	2.1	0	0.0	15,600	7.8	9.9	18.18	11.35%	0.00%	42.90%	0.38	0.11	0.06
62	Night club & bar	4	3.90	19,370	9.7	0	0.0	0	0.0	9.7	13.59	71.29%	0.00%	0.00%	0.21	0.11	0.42
63	Die Cutting and Foam Rubber	65	93.60	7,400	3.7	0	0.0	11,220	5.6	9.3	102.91	3.60%	0.00%	5.45%	0.46	0.11	0.13
64	Candy manufacturer	22	23.40	12,036	6.0	0	0.0	5,770	2.9	8.9	32.31	18.64%	0.00%	8.93%	0.31	0.11	

*Outliers excluded from extrapolation are shaded.

TABLE 2. BALDWIN PARK AUDIT DATABASE - OUTLIER ANALYSIS

Number	Type of Business	Number of Employees	Disposal (tons/yr)	Total Recycling (lbs/yr)	Total Recycling (tons/yr)	Total Composting (lbs/yr)	Total Composting (tons/yr)	Total Source Reduction (lbs/yr)	Total Source Reduction (tons/yr)	Total Diversion (tons/yr)	Total Generation (tons/yr)	Recycling Rate (%)	Composting Rate (%)	Source Red. Rate (%)	Recycling Outliers (if -)*	Composting Outliers (if -)*	Source Red. Outliers (if -)*
65	Liquor store	2	15.60	12,408	6.2	0	0.0	5,200	2.6	8.8	24.40	25.42%	0.00%	10.65%	0.24	0.11	0.38
66	Restaurant	5	23.40	4,176	2.1	0	0.0	11,783	5.9	8.0	31.38	6.65%	0.00%	18.77%	0.43	0.11	0.30
67	School	72	39.00	0	0.0	13,560	7.3	1,329	0.7	7.9	46.91	0.00%	15.51%	1.42%	0.50	0.05	0.48
68	Tea Import	8	5.85	2,600	1.3	0	0.0	13,200	6.6	7.9	13.77	9.43%	0.00%	48.08%	0.40	0.11	0.01
69	Seasoned Blends	31	58.50	12,222	6.1	0	0.0	2,880	1.4	7.6	66.05	9.25%	0.00%	2.18%	0.41	0.11	0.42
70	Textiles	30	104.00	12,000	6.0	0	0.0	3,006	1.5	7.5	111.55	5.38%	0.00%	1.39%	0.44	0.11	0.48
71	Machine Shop	50	58.50	1,944	1.0	0	0.0	13,098	6.5	7.5	66.02	1.47%	0.00%	9.92%	0.48	0.11	0.39
72	Carburetor Tune ups auto shop	3	1.95	14,998	7.5	0	0.0	0	0.0	7.5	9.45	79.36%	0.00%	0.00%	0.30	0.11	0.49
73	Motel	12	23.40	9,266	4.6	0	0.0	5,028	2.5	7.1	30.55	15.17%	0.00%	8.23%	0.35	0.11	0.41
74	School	39	78.00	13,076	6.5	0	0.0	1,127	0.6	7.1	85.10	7.68%	0.00%	0.66%	0.42	0.11	0.48
75	Hand tools manufacturing	80	58.50	8,494	4.2	0	0.0	4,695	2.3	6.6	65.09	6.52%	0.00%	3.61%	0.43	0.11	0.45
76	Market	25	130.40	11,541	5.8	0	0.0	1,231	0.6	6.4	136.79	3.93%	0.00%	0.42%	0.46	0.11	0.49
77	Meat Market	7	15.60	12,000	6.1	0	0.0	0	0.0	6.1	21.90	28.77%	0.00%	0.00%	0.21	0.11	0.49
78	Car Dealer	23	15.60	11,757	5.9	0	0.0	326	0.2	6.0	21.64	27.16%	0.00%	0.75%	0.23	0.11	0.48
79	Golf Club Distributor	14	2.34	11,700	5.9	0	0.0	165	0.1	5.9	8.27	70.72%	0.00%	1.00%	0.21	0.11	0.48
80	Leather Supplies	5	1.25	0	0.0	0	0.0	11,855	5.9	5.9	7.18	0.00%	0.00%	82.61%	0.50	0.11	0.11
81	Machine Shop	12	6.24	11,202	5.6	0	0.0	427	0.2	5.8	12.06	46.47%	0.00%	1.77%	0.03	0.11	0.47
82	Waterbed manufacturing	4	7.80	11,000	5.5	0	0.0	576	0.3	5.8	13.59	40.50%	0.00%	2.12%	0.09	0.11	0.47
83	Electronics Manufacture	50	19.50	7,800	3.9	0	0.0	3,202	1.6	5.5	25.00	15.60%	0.00%	6.40%	0.34	0.11	0.43
84	school	52	78.00	10,124	5.1	0	0.0	815	0.4	5.5	83.47	6.06%	0.00%	0.49%	0.44	0.11	0.49
85	Wood Mfg. & Hardware supply	47	78.00	7,359	3.7	0	0.0	3,193	1.6	5.3	83.28	4.42%	0.00%	1.92%	0.45	0.11	0.47
86	Property management company	20	3.12	520	0.3	0	0.0	9,360	4.7	4.9	8.06	3.23%	0.00%	58.06%	0.47	0.11	0.09
87	Grocery Distributor	6	6.24	97	0.0	0	0.0	9,634	4.8	4.9	11.11	0.43%	0.00%	43.37%	0.49	0.11	0.06
88	Mfg. Automatic packaging equipment	21	7.80	1,060	0.5	1,300	0.7	6,795	3.4	4.6	12.38	4.28%	5.25%	27.45%	0.46	0.06	0.22
89	Mfg. Stable equipment	22	20.80	6,586	3.3	0	0.0	2,568	1.3	4.6	25.38	12.98%	0.00%	5.06%	0.37	0.11	0.44
90	RV Sales	20	31.20	8,009	4.0	0	0.0	1,136	0.6	4.6	35.77	11.19%	0.00%	1.59%	0.39	0.11	0.47
91	Handbag Warehouse	25	3.90	8,307	4.2	0	0.0	806	0.4	4.6	8.46	49.12%	0.00%	4.77%	0.01	0.11	0.44
92	Diesel and Motor Racing Fuel Distrib	5	15.60	1,200	0.6	0	0.0	7,726	3.9	4.5	20.06	2.99%	0.00%	19.25%	0.47	0.11	0.30
93	Manufacturing Miso	12	18.72	8,881	4.4	0	0.0	0	0.0	4.4	23.16	19.17%	0.00%	0.00%	0.31	0.11	0.49
94	Computer mfg. (assembly)	30	6.63	28	0.0	0	0.0	8,230	4.1	4.1	10.76	0.13%	0.00%	38.25%	0.50	0.11	0.11
95	Auto detail distributor	2	2.21	7,760	3.9	0	0.0	198	0.1	4.0	6.19	62.69%	0.00%	1.60%	0.13	0.11	0.47
96	school	75	78.00	7,863	3.9	0	0.0	41	0.0	4.0	81.95	4.80%	0.00%	0.03%	0.45	0.11	0.49
97	Cheese Manufacturer	10	4.68	2,600	1.3	0	0.0	5,156	2.6	3.9	8.56	15.19%	0.00%	30.12%	0.35	0.11	0.19
98	Metal Welding	15	7.80	6,500	3.3	0	0.0	1,140	0.6	3.8	11.62	27.97%	0.00%	4.91%	0.22	0.11	0.44
99	Meat Market	2	11.70	6,240	3.1	0	0.0	1,310	0.7	3.8	15.48	20.16%	0.00%	4.23%	0.30	0.11	0.45
100	Coffee Roasting	3	1.56	1,300	0.7	0	0.0	6,201	3.1	3.8	5.31	12.24%	0.00%	58.30%	0.38	0.11	0.09
101	Mfg. Glass ornaments	70	12.48	2,158	1.1	0	0.0	5,077	2.5	3.6	16.10	6.70%	0.00%	15.77%	0.43	0.11	0.33
102	Restaurant	10	23.40	6,655	3.3	0	0.0	557	0.3	3.6	27.01	12.32%	0.00%	1.03%	0.38	0.11	0.48
103	Importer/Distributor	4	5.20	188	0.1	0	0.0	6,673	3.3	3.4	8.63	1.09%	0.00%	38.66%	0.49	0.11	0.10
104	Ladies Garment Distributor	8	3.90	0	0.0	0	0.0	6,631	3.3	3.3	7.22	0.00%	0.00%	45.95%	0.50	0.11	0.03
105	Auto body & paint shop	8	39.00	6,500	3.3	0	0.0	0	0.0	3.3	42.25	7.69%	0.00%	0.00%	0.42	0.11	0.49
106	Warehouse/Distribution	9	6.24	600	0.3	0	0.0	5,600	2.8	3.1	9.34	3.21%	0.00%	29.98%	0.47	0.11	0.19
107	Cooler Refurbishing Center	50	104.00	4,987	2.5	0	0.0	1,097	0.5	3.0	107.04	2.33%	0.00%	0.51%	0.47	0.11	0.48
108	Auto parts retail	5	5.85	780	0.4	0	0.0	5,200	2.6	3.0	8.84	4.41%	0.00%	29.41%	0.45	0.11	0.20
109	Manufacturing	13	3.90	5,850	2.9	0	0.0	0	0.0	2.9	6.83	42.86%	0.00%	0.00%	0.07	0.11	0.49
110	Bakery Shop	4	3.12	0	0.0	0	0.0	5,616	2.8	2.8	5.93	0.00%	0.00%	47.37%	0.50	0.11	0.02
111	Trucking company	22	3.90	4,000	2.0	0	0.0	1,547	0.8	2.8	6.67	29.97%	0.00%	11.59%	0.20	0.11	0.37
112	Manufacturing Doors	12	15.60	260	0.1	0	0.0	5,200	2.6	2.7	18.33	0.71%	0.00%	14.18%	0.49	0.11	0.35
113	Hardwood Flooring Contractor	10	21.06	26	0.0	0	0.0	5,280	2.6	2.7	23.71	0.05%	0.00%	11.13%	0.50	0.11	0.38
114	Mfg. Spring products	2	3.25	0	0.0	0	0.0	5,185	2.6	2.6	5.84	0.00%	0.00%	44.37%	0.50	0.11	0.05
115	Garmet Wholesale Distributor	4	7.80	3,900	2.0	0	0.0	1,233	0.6	2.6	10.37	18.81%	0.00%	5.95%	0.31	0.11	0.43
116	Ice cream store	3	7.80	1,386	0.7	0	0.0	3,458	1.7	2.4	10.22	6.78%	0.00%	16.91%	0.43	0.11	0.32
117	Tax forms wholesale	2	5.20	1,722	0.9	0	0.0	3,100	1.6	2.4	7.61	11.31%	0.00%	20.37%	0.39	0.11	0.29
118	Mfg. Plastic parts	4	9.75	0	0.0	0	0.0	4,676	2.3	2.3	12.09	0.00%	0.00%	19.34%	0.50	0.11	0.30
119	Clothing manufacturing	10	10.40	4,400	2.2	0	0.0	300	0.1	2.3	12.65	17.39%	0.00%	0.40%	0.32	0.11	0.49
120	Chemical packaging	2	0.39	0	0.0	0	0.0	4,498	2.2	2.2	2.64	0.00%	0.00%	85.22%	0.50	0.11	0.16
121	Plastic distribution	19	46.80	2,698	1.3	0	0.0	1,550	0.8	2.1	48.92	2.76%	0.00%	1.58%	0.47	0.11	0.47
122	Grocery store	2	10.40	960	0.5	0	0.0	3,240	1.6	2.1	12.50	3.84%	0.00%	12.96%	0.46	0.11	0.36
123	Riding Merchandise	14	19.50	3,810	1.9	0	0.0	208	0.1	2.0	21.51	8.86%	0.00%	0.48%	0.41	0.11	0.49
124	Mfg. & retail furniture store	4	5.85	3,913	2.0	0	0.0	0	0.0	2.0	7.81	25.06%	0.00%	0.00%	0.25	0.11	0.49
125	Assembly key locks	5	7.80	143	0.1	0	0.0	3,654	1.8	1.9	9.70	0.74%	0.00%	18.84%	0.49	0.11	0.40
126	Sportswear Importer/distributor	50	10.40	3,600	1.8	0	0.0	143	0.1	1.9	12.27	14.67%	0.00%	0.59%	0.35	0.11	0.48
127	Builds Musical Instruments	4	5.85	1,300	0.7	0	0.0	2,215	1.1	1.8	7.61	8.54%	0.00%	14.56%	0.41	0.11	0.11
128	Wholesale natural history goods	8	3.90	3,182	1.6	0	0.0	286	0.1	1.7	5.63	28.24%	0.00%	2.54%	0.22	0.11	

*Outliers excluded from extrapolation are shaded

TABLE 2. BALDWIN PARK AUDIT DATABASE - OUTLIER ANALYSIS

Number	Type of Business	Number of Employees	Disposal (tons/yr)	Total Recycling (lbs/yr)	Total Recycling (tons/yr)	Total Composting (lbs/yr)	Total Composting (tons/yr)	Total Source Reduction (lbs/yr)	Total Source Reduction (tons/yr)	Total Diversion (tons/yr)	Total Generation (tons/yr)	Recycling Rate (%)	Composting Rate (%)	Source Red. Rate (%)	Recycling Outliers (if -)*	Composting Outliers (if -)*	Source Red. Outliers (if -)*
129	Marble	20	21.53	0	0.0	0	0.0	3,135	1.6	1.6	23.10	0.00%	0.00%	6.79%	0.50	0.11	0.42
130	Wholesale head caps	11	19.50	3,132	1.6	0	0.0	0	0.0	1.6	21.07	7.43%	0.00%	0.00%	0.42	0.11	0.49
131	Airplane parts distributor	17	31.20	2,383	1.2	0	0.0	693	0.3	1.5	32.71	3.64%	0.00%	1.06%	0.46	0.11	0.48
132	Fabric Wholesaler	6	2.60	288	0.1	0	0.0	2,727	1.1	1.5	1.11	3.50%	0.00%	33.19%	0.46	0.11	0.16
133	Fiber Optics Manufacture and Sales	30	7.80	0	0.0	0	0.0	2,883	1.1	1.1	9.24	0.00%	0.00%	15.60%	0.50	0.11	0.33
134	Furniture Manufacturing	30	11.70	18	0.0	0	0.0	2,791	1.1	1.1	13.40	0.07%	0.00%	10.65%	0.50	0.11	0.38
135	Airplane parts polishing	10	7.80	72	0.0	0	0.0	2,710	1.1	1.1	9.19	0.39%	0.00%	14.74%	0.49	0.11	0.34
136	Mfg. Solid surface & cultured onyx	6	7.80	0	0.0	0	0.0	2,578	1.1	1.1	9.09	0.00%	0.00%	14.18%	0.50	0.11	0.35
137	Warehouse	10	5.62	1,450	0.7	0	0.0	1,033	0.5	1.2	6.86	10.57%	0.00%	7.53%	0.39	0.11	0.11
138	Wholesale air conditioning parts	5	5.07	1,257	0.6	0	0.0	1,059	0.5	1.2	6.23	10.09%	0.00%	8.50%	0.40	0.11	0.40
139	Laundry machine rebuilding service	5	7.80	2,312	1.2	0	0.0	0	0.0	1.2	8.96	12.91%	0.00%	0.00%	0.37	0.11	0.49
140	Electronic retail store	5	4.16	0	0.0	0	0.0	2,281	1.1	1.1	5.30	0.00%	0.00%	21.52%	0.50	0.11	0.27
141	124 A Cloverleaf Drive	4	0.78	1,800	0.9	0	0.0	300	0.2	1.1	1.88	47.87%	0.00%	10.63%	0.02	0.11	0.38
142	Computer Parts Distribution	15	18.22	0	0.0	0	0.0	2,135	1.1	1.1	19.79	0.00%	0.00%	5.39%	0.50	0.11	0.41
143	Motel	3	7.80	2,133	1.1	0	0.0	0	0.0	1.1	8.87	12.03%	0.00%	0.00%	0.38	0.11	0.41
144	Parking Lot Sweeping	20	7.80	1,627	0.8	0	0.0	361	0.2	1.0	8.83	9.20%	0.00%	2.61%	0.41	0.11	0.39
145	Tape Coping	10	5.20	1,040	0.5	0	0.0	1,040	0.5	1.0	6.23	8.33%	0.00%	8.33%	0.41	0.11	0.40
146	Warehouse/Distribution	20	2.57	600	0.3	0	0.0	1,327	0.7	1.0	3.53	8.48%	0.00%	18.76%	0.41	0.11	0.30
147	Mfg. Galvanizing steel	5	3.12	44	0.0	0	0.0	1,861	0.9	1.0	4.07	0.54%	0.00%	22.85%	0.49	0.11	0.26
148	Fiberglass Application	4	10.11	50	0.0	0	0.0	1,666	0.8	0.9	11.00	0.23%	0.00%	7.57%	0.50	0.11	0.31
149	Metal stamping mfg	4	3.54	34	0.0	0	0.0	1,614	0.8	0.8	4.36	0.39%	0.00%	18.51%	0.49	0.11	0.34
150	Equipment Repair Shop	5	31.20	99	0.0	0	0.0	1,536	0.8	0.8	32.02	0.15%	0.00%	2.40%	0.50	0.11	0.47
151	Hotel	5	7.80	130	0.1	1,300	0.7	182	0.1	0.8	8.61	0.75%	7.55%	1.06%	0.49	0.03	[illegible]
152	Metal printing plate supplier	2	7.80	0	0.0	0	0.0	1,593	0.8	0.8	8.60	0.00%	0.00%	9.26%	0.50	0.11	0.4[illegible]
153	Motel	3	7.80	504	0.3	0	0.0	1,025	0.5	0.8	8.56	2.94%	0.00%	5.98%	0.47	0.11	0.4[illegible]
154	Aircraft parts manufacturing	24	5.07	486	0.2	0	0.0	995	0.5	0.7	5.81	4.18%	0.00%	8.56%	0.46	0.11	0.4[illegible]
155	Convalescent Care	108	35.10	20	0.0	0	0.0	1,423	0.7	0.7	35.82	0.03%	0.00%	1.99%	0.50	0.11	0.4[illegible]
156	Dental Manufacturing	14	3.12	383	0.2	0	0.0	1,045	0.5	0.7	3.83	4.99%	0.00%	13.63%	0.45	0.11	0.3[illegible]
157	Distributor auto wheel & accessories	3	6.69	0	0.0	0	0.0	1,310	0.7	0.7	7.34	0.00%	0.00%	8.92%	0.50	0.11	0.4[illegible]
158	Wood cabinet work	3	3.90	10	0.0	0	0.0	1,193	0.6	0.6	4.50	0.11%	0.00%	13.26%	0.50	0.11	0.36
159	Motel	4	7.80	1,039	0.5	0	0.0	114	0.1	0.6	8.38	6.20%	0.00%	0.68%	0.44	0.11	0.48
160	Clothing Retail	1	3.12	0	0.0	0	0.0	1,144	0.6	0.6	3.69	0.00%	0.00%	15.49%	0.50	0.11	0.33
161	Mfg. Umbrella	78	23.40	453	0.2	0	0.0	686	0.3	0.6	23.97	0.95%	0.00%	1.43%	0.49	0.11	0.48
162	Grocery Store	3	42.12	0	0.0	0	0.0	1,127	0.6	0.6	42.68	0.00%	0.00%	1.32%	0.50	0.11	0.48
163	Custom light manufacturing	5	7.80	768	0.4	0	0.0	294	0.1	0.5	8.33	4.61%	0.00%	1.76%	0.45	0.11	0.47
164	Mfg. Cemented carbide	28	11.70	24	0.0	0	0.0	1,033	0.5	0.5	12.23	0.10%	0.00%	4.22%	0.50	0.11	0.45
165	Flower store	2	1.76	0	0.0	0	0.0	990	0.5	0.5	2.25	0.00%	0.00%	22.00%	0.50	0.11	0.27
166	Closed-door pharmaceutical service	6	1.30	0	0.0	0	0.0	970	0.5	0.5	1.79	0.00%	0.00%	27.18%	0.50	0.11	0.22
167	Food Manufacturing	8	12.48	0	0.0	0	0.0	957	0.5	0.5	12.96	0.00%	0.00%	3.69%	0.50	0.11	0.45
168	Cleaning equipment rental & sale	8	6.63	19	0.0	0	0.0	810	0.4	0.4	7.04	0.14%	0.00%	5.75%	0.50	0.11	0.41
169	Video rental	2	1.76	177	0.1	0	0.0	650	0.3	0.4	2.17	4.08%	0.00%	14.99%	0.46	0.11	0.33
170	Aerospace CNC mfg	2	7.80	21	0.0	0	0.0	780	0.4	0.4	8.20	0.13%	0.00%	4.76%	0.50	0.11	0.44
171	Photo studio & developing	1	1.76	600	0.3	0	0.0	186	0.1	0.4	2.15	13.97%	0.00%	4.33%	0.36	0.11	0.45
172	Auto upholstery & furniture	3	7.80	271	0.1	0	0.0	510	0.3	0.4	8.19	1.65%	0.00%	3.11%	0.48	0.11	0.46
173	Wholesale & retail machinery parts	2	5.85	0	0.0	0	0.0	780	0.4	0.4	6.24	0.00%	0.00%	6.25%	0.50	0.11	0.43
174	Party supply retail	1	3.90	0	0.0	0	0.0	755	0.4	0.4	4.28	0.00%	0.00%	8.83%	0.50	0.11	0.40
175	Jewelry Manufacturing	12	15.60	648	0.3	0	0.0	60	0.0	0.4	15.95	2.03%	0.00%	0.19%	0.48	0.11	0.49
176	Clothing Shop	1	1.30	28	0.0	0	0.0	678	0.3	0.4	1.65	0.86%	0.00%	20.51%	0.49	0.11	0.28
177	Paint & auto body shop	6	15.60	48	0.0	0	0.0	640	0.3	0.3	15.94	0.15%	0.00%	2.01%	0.50	0.11	0.47
178	Water Filteration	6	7.80	40	0.0	0	0.0	603	0.3	0.3	8.12	0.25%	0.00%	3.71%	0.50	0.11	0.45
179	Manufacturing	17	31.20	172	0.1	0	0.0	450	0.2	0.3	31.51	0.27%	0.00%	0.71%	0.50	0.11	0.48
180	Women's apparel store	2	1.56	0	0.0	0	0.0	610	0.3	0.3	1.87	0.00%	0.00%	16.35%	0.50	0.11	0.33
181	Water refill store	2	6.24	0	0.0	0	0.0	585	0.3	0.3	6.53	0.00%	0.00%	4.48%	0.50	0.11	0.4[illegible]
182	Men's apparel store	1	1.76	0	0.0	0	0.0	585	0.3	0.3	2.05	0.00%	0.00%	14.29%	0.50	0.11	[illegible]
183	Furniture woodwork	20	58.50	241	0.1	0	0.0	336	0.2	0.3	58.79	0.21%	0.00%	0.29%	0.50	0.11	0.49
184	Construction	15	3.90	531	0.3	0	0.0	43	0.0	0.3	4.19	6.35%	0.00%	0.51%	0.43	0.11	0.45
185	Jewelry retail store	2	1.56	0	0.0	0	0.0	548	0.3	0.3	1.83	0.00%	0.00%	14.93%	0.50	0.11	0.33
186	Tire Shop	1	3.90	0	0.0	0	0.0	508	0.3	0.3	4.15	0.00%	0.00%	6.12%	0.50	0.11	0.43
187	Mfg. Restaurant equipment	4	7.80	39	0.0	0	0.0	432	0.2	0.2	8.04	0.24%	0.00%	2.69%	0.50	0.11	0.46
188	Music Retailer	2	3.12	0	0.0	0	0.0	429	0.2	0.2	3.31	0.00%	0.00%	6.43%	0.50	0.11	0.43
189	A/C & Heater repair and installation	7	15.60	364	0.2	0	0.0	0	0.0	0.2	15.78	1.15%	0.00%	0.00%	0.49	0.11	0.49
190	Children apparel store	1	1.76	0	0.0	0	0.0	341	0.2	0.2	1.93	0.00%	0.00%	8.86%	0.50	0.11	0.42
191	Pallet manufacturing	9	3.90	0	0.0	0	0.0	335	0.2	0.2	4.07	0.07%	0.00%	4.11%	0.50	0.11	0.45
192	Leak detection	3	5.85	318	0.2	0	0.0	0	0.0	0.2	6.01	2.65%	0.00%	0.00%	0.47	0.11	[illegible]

*Outliers excluded from extrapolation are shaded

TABLE 2. BALDWIN PARK AUDIT DATABASE - OUTLIER ANALYSIS

Number	Type of Business	Number of Employees	Disposal (tons/yr)	Total Recycling (lbs/yr)	Total Recycling (tons/yr)	Total Composting (lbs/yr)	Total Composting (tons/yr)	Total Source Reduction (lbs/yr)	Total Source Reduction (tons/yr)	Total Diversion (tons/yr)	Total Generation (tons/yr)	Recycling Rate (%)	Composting Rate (%)	Source Red. Rate (%)	Recycling Outliers (if -)*	Composting Outliers (if -)*	Source Red Outliers (if -)*
193	Automobile wood dashboard work	5	3.47	0	0.00	0	0.00	300	0.2	0.2	3.62	0.00%	0.00%	4.15%	0.50	0.11	0.45
194	Computer Assistance/Sales	30	5.15	0	0.00	0	0.00	294	0.1	0.1	5.30	0.00%	0.00%	2.78%	0.50	0.11	0.46
195	Sterilized water store	2	8.74	0	0.00	0	0.00	279	0.1	0.1	8.88	0.00%	0.00%	1.57%	0.50	0.11	0.47
196	Metal straightened molding	4	6.24	242	0.1	0	0.00	30	0.0	0.1	6.38	1.90%	0.00%	0.24%	0.48	0.11	0.49
197	Mfg. Deck & wall sleeves	7	2.60	0	0.00	0	0.00	272	0.1	0.1	2.74	0.00%	0.00%	4.97%	0.50	0.11	0.44
198	Furniture Store	2	3.12	0	0.00	0	0.00	259	0.1	0.1	3.25	0.00%	0.00%	3.98%	0.50	0.11	0.45
199	Donut shop	2	1.56	0	0.00	0	0.00	245	0.1	0.1	1.68	0.00%	0.00%	7.28%	0.50	0.11	0.42
200	Storage	3	15.60	211	0.1	0	0.00	30	0.0	0.1	15.72	0.68%	0.00%	0.10%	0.49	0.11	0.49
201	Hardware retail	5	5.85	29	0.0	0	0.00	206	0.1	0.1	5.97	0.24%	0.00%	1.73%	0.50	0.11	0.47
202	Photo printing	3	3.12	23	0.0	0	0.00	176	0.1	0.1	3.23	0.32%	0.00%	2.74%	0.49	0.11	0.46
203	Machine Shop	24	7.80	20	0.0	0	0.00	170	0.1	0.1	7.90	0.13%	0.00%	1.08%	0.50	0.11	0.48
204	Machine Shop	4	1.56	0	0.00	0	0.00	182	0.1	0.1	1.65	0.00%	0.00%	5.51%	0.50	0.11	0.43
205	Mfg. Machinery parts	4	1.30	9	0.0	0	0.00	185	0.1	0.1	1.39	0.00%	0.00%	6.63%	0.50	0.11	0.42
206	Vitamin retail store	1	1.56	0	0.00	0	0.00	183	0.1	0.1	1.65	0.00%	0.00%	5.54%	0.50	0.11	0.43
207	Party supplier	2	7.80	18	0.0	0	0.00	160	0.1	0.1	7.89	0.11%	0.00%	1.01%	0.50	0.11	0.48
208	Math group	15	20.80	177	0.1	0	0.00	0	0.0	0.1	20.89	0.42%	0.00%	0.00%	0.49	0.11	0.49
209	Mfg. Wood furniture	3	2.34	23	0.0	0	0.00	144	0.1	0.1	2.42	0.48%	0.00%	2.97%	0.49	0.11	0.46
210	Assembly furniture	5	3.90	0	0.00	0	0.00	156	0.1	0.1	3.98	0.00%	0.00%	1.96%	0.50	0.11	0.47
211	Lawnmower repair service & sell	1	4.68	11	0.0	0	0.00	132	0.1	0.1	4.75	0.11%	0.00%	1.39%	0.50	0.11	0.48
212	Hair salon & beauty supply	3	1.76	0	0.00	0	0.00	116	0.1	0.1	1.81	0.00%	0.00%	3.19%	0.50	0.11	0.46
213	Mfg. Furniture frames	5	7.80	116	0.1	0	0.00	0	0.0	0.1	7.86	0.74%	0.00%	0.00%	0.49	0.11	0.49
214	Flower store	1	3.12	0	0.00	0	0.00	108	0.1	0.1	3.17	0.00%	0.00%	1.70%	0.50	0.11	0.47
215	Commercial dry-clean service	7	1.95	103	0.1	0	0.00	4	0.0	0.1	2.00	2.56%	0.00%	0.11%	0.47	0.11	0.49
216	Shoes retail store	4	5.20	0	0.00	0	0.00	105	0.1	0.1	5.25	0.00%	0.00%	1.00%	0.50	0.11	0.48
217	Automotive Rebuilder	1	5.85	0	0.00	0	0.00	100	0.0	0.0	5.90	0.00%	0.00%	0.85%	0.50	0.11	0.48
218	Auto Insurance Agent	1	3.12	40	0.0	0	0.00	60	0.0	0.0	3.17	0.62%	0.00%	0.95%	0.49	0.11	0.4[illegible]
219	Termite business	7	23.40	0	0.00	0	0.00	92	0.0	0.0	23.45	0.00%	0.00%	0.20%	0.50	0.11	0.49
220	Beauty service	3	1.56	0	0.00	0	0.00	92	0.0	0.0	1.61	0.00%	0.00%	2.88%	0.50	0.11	0.16
221	Machinery repair service	2	7.80	0	0.00	0	0.00	78	0.0	0.0	7.84	0.00%	0.00%	0.50%	0.50	0.11	0.15
222	Carpentry installation	2	3.90	67	0.0	0	0.00	0	0.0	0.0	3.93	0.86%	0.00%	0.00%	0.49	0.11	0.49
223	Building contractor	40	1.95	4	0.0	0	0.00	63	0.0	0.0	1.98	0.10%	0.00%	1.58%	0.50	0.11	0.47
224	Rebuilding Computer	30	78.00	0	0.0	0	0.00	65	0.0	0.0	78.03	0.00%	0.00%	0.04%	0.50	0.11	0.49
225	Auto battery supplies	3	6.24	48	0.0	0	0.00	0	0.0	0.0	6.26	0.39%	0.00%	0.00%	0.49	0.11	0.49
226	Travel agent	2	1.76	0	0.0	0	0.00	44	0.0	0.0	1.78	0.00%	0.00%	1.24%	0.50	0.11	0.48
227	Import	12	7.80	41	0.0	0	0.00	0	0.0	0.0	7.82	0.26%	0.00%	0.00%	0.50	0.11	0.49
228	Wood Kraft mfg.	2	7.80	0	0.0	0	0.00	35	0.0	0.0	7.82	0.00%	0.00%	0.22%	0.50	0.11	0.49
229	Tax Preparer	1	3.12	0	0.00	0	0.00	33	0.0	0.0	3.14	0.00%	0.00%	0.52%	0.50	0.11	0.48
230	Furniture wood mfg	4	7.80	19	0.0	0	0.00	0	0.0	0.0	7.81	0.12%	0.00%	0.00%	0.50	0.11	0.49
231	Cellular phone retail store	1	1.76	0	0.0	0	0.00	15	0.0	0.0	1.76	0.00%	0.00%	0.43%	0.50	0.11	0.49
232	Adult education center	30	28.08	0	0.0	0	0.00	0	0.0	0.0	28.08	0.00%	0.00%	0.00%	0.50	0.11	0.49
233	Woodwork cabinet	6	2.60	0	0.0	0	0.00	0	0.0	0.0	2.60	0.00%	0.00%	0.00%	0.50	0.11	0.49
234	Custom hand wood turning	4	15.60	0	0.0	0	0.00	0	0.0	0.0	15.60	0.00%	0.00%	0.00%	0.50	0.11	0.49
235	Gas station	3	7.80	0	0.0	0	0.00	0	0.0	0.0	7.80	0.00%	0.00%	0.00%	0.50	0.11	0.49
236	Donuts store	2	8.74	0	0.0	0	0.00	0	0.0	0.0	8.74	0.00%	0.00%	0.00%	0.50	0.11	0.49
237	General auto shop	2	5.20	0	0.0	0	0.00	0	0.0	0.0	5.20	0.00%	0.00%	0.00%	0.50	0.11	0.49
238	Transmission auto shop	2	4.16	0	0.0	0	0.00	0	0.0	0.0	4.16	0.00%	0.00%	0.00%	0.50	0.11	0.49
	Totals	8,015	7,592	4,720,932	2,360	628,409	314	2,897,718	1,449	4,124	11,715						
											Weighted Averages	20.15%	2.68%	12.37%			
											Simple Averages	11.88%	0.54%	12.27%			
											Standard Deviation	18.98%	5.13%	18.36%			

*Outliers excluded from extrapolation are shaded

TABLE 3. BALDWIN PARK AUDIT DATABASE - AUDIT RESULTS AFTER OUTLIER EXCLUSION

Number	Type of Business	Number of Employees	Disposal (tons/yr)	Total Recycling (tons/yr)	Total Composting (tons/yr)	Total Source Red. (tons/yr)	Total Diversion (tons/yr)	Total Generation (tons/yr)	Recycling Rate (%)	Composting Rate (%)	Source Red. Rate (%)	Diversion Rate (%)
1	Mexican food manufacturing	170	405.60	252.5	0.0	223.1	475.7	881.29	28.66%	0.00%	25.32%	53.98%
2	Supermarket	35	58.50	258.1	49.5	90.3	367.8	426.35	60.53%	4.57%	21.17%	86.28%
3	Home appliance retail store	99	468.00	312.3	7.2	31.9	351.4	819.36	38.11%	0.87%	3.90%	42.88%
5	Restaurant distribution center	250	88.92	60.0	1.0	166.2	227.3	316.18	18.99%	0.31%	52.58%	71.88%
6	Retail Store	115	234.00	156.0	0.0	55.8	211.8	445.77	35.00%	0.00%	12.51%	47.51%
7	Plastic molding manufacturing	150	70.20	120.3	0.1	74.5	194.9	265.10	45.39%	0.03%	28.10%	73.52%
8	Hospital	2400	1,263.60	98.5	0.0	78.8	177.2	1,440.82	6.83%	0.00%	5.47%	12.30%
11	Mfg. Envelope	10	9.75	61.4	0.0	1.5	62.9	72.63	84.56%	0.00%	2.01%	86.58%
12	Mfg. extruder, converter, printer	95	70.20	45.0	0.0	10.4	55.4	125.64	35.82%	0.00%	8.31%	44.13%
13	Plastic molding manufacturing	8	16.64	18.1	0.0	35.1	53.2	69.79	25.91%	0.00%	50.25%	76.16%
14	School	75	78.00	0.6	0.0	48.9	49.5	127.52	0.45%	0.00%	38.39%	38.83%
15	Automotive Parts	50	11.70	42.0	0.0	0.0	42.0	53.69	78.21%	0.00%	0.00%	78.21%
16	Auto wheel distributor	30	15.60	1.3	0.0	38.6	39.9	55.49	2.35%	0.00%	69.53%	71.89%
17	Wholesale children books	50	52.00	6.6	0.0	33.0	39.7	91.65	7.23%	0.00%	36.03%	43.26%
18	Importer and Distributor	19	24.96	26.8	0.0	12.6	39.4	64.35	41.57%	0.00%	19.64%	61.21%
19	Tool hardware distributor	8	6.69	0.0	0.0	36.7	36.7	43.36	0.00%	0.00%	84.58%	84.58%
20	School	56	78.00	36.4	0.0	0.0	36.4	114.43	31.81%	0.00%	0.03%	31.84%
21	School	19	156.00	35.1	0.0	0.0	35.1	191.05	18.35%	0.00%	0.00%	18.35%
22	School	49	58.50	34.4	0.0	0.1	34.5	93.00	37.03%	0.00%	0.07%	37.10%
23	School	59	78.00	34.2	0.0	0.0	34.2	112.25	30.49%	0.00%	0.02%	30.51%
24	School	80	140.40	33.3	0.0	0.0	33.3	173.66	19.15%	0.00%	0.00%	19.15%
25	School	40	78.00	0.1	0.0	32.8	32.9	110.86	0.06%	0.00%	29.58%	29.64%
27	School	23	58.50	32.0	0.0	0.5	32.6	91.09	35.18%	0.00%	0.60%	35.78%
28	School	20	78.00	31.5	0.0	1.0	32.5	110.49	28.52%	0.00%	0.88%	29.40%
29	Restaurant	26	46.80	26.5	0.0	1.8	28.3	75.10	35.34%	0.00%	2.34%	37.68%
30	Party good retail store	9	15.60	27.4	0.0	0.2	27.6	43.20	63.38%	0.00%	0.51%	63.88%
31	Furniture Distributor	8	78.00	7.8	0.0	18.9	26.7	104.66	7.45%	0.00%	18.02%	25.47%
32	Soft-drink Warehouse/Distribution center	200	93.60	10.5	1.1	15.0	26.6	120.21	8.72%	0.90%	12.51%	22.14%
33	Lighting Manufacturing	33	15.60	25.5	0.0	0.6	26.1	41.74	61.13%	0.00%	1.50%	62.63%
34	Office supply retail store	19	15.60	22.1	0.0	2.7	24.8	40.43	54.66%	0.00%	6.75%	61.41%
35	Mental disorder care center	200	74.88	2.6	0.0	21.9	24.5	99.37	2.57%	0.00%	22.07%	24.64%
36	Binding manufacturing	50	23.40	2.6	0.0	20.8	23.4	46.83	5.56%	0.00%	44.47%	50.04%
37	Aerospace parts mfg.	40	7.80	1.2	0.0	21.2	22.4	30.21	3.87%	0.00%	70.31%	74.18%
38	Wholesale swim apparel	12	23.40	10.8	0.0	9.3	20.1	43.48	24.76%	0.00%	21.42%	46.18%
39	Commercial printing	14	15.60	17.6	0.0	0.2	17.8	33.37	52.65%	0.00%	0.59%	53.24%
40	Adult career training center	90	187.20	8.7	0.0	7.8	16.5	203.69	4.26%	0.00%	3.83%	8.09%
41	Wholesale hardware products	8	7.80	1.1	2.2	13.1	16.3	24.12	4.55%	8.98%	54.12%	67.66%
42	Hotel	120	124.80	10.3	0.0	5.7	16.0	140.84	7.31%	0.00%	4.08%	11.39%
43	Metal Fabrication	100	39.00	11.7	0.0	3.3	15.0	54.02	21.66%	0.00%	6.15%	27.81%
44	Plumbing Supplies	12	6.24	0.4	0.0	14.1	14.4	20.67	1.74%	0.00%	68.07%	69.81%
45	Grocery store	3	15.60	13.5	0.0	0.9	14.4	29.96	45.03%	0.00%	2.89%	47.92%
46	Clothing Store	26	39.00	11.7	0.0	1.9	13.6	52.63	22.23%	0.00%	3.66%	25.89%
47	Distributor health & beauty products	30	15.60	1.5	0.0	11.7	13.1	28.73	5.12%	0.00%	40.58%	45.70%
48	Auto tire repair & retail	2	3.90	0.5	0.0	12.2	12.7	16.56	3.03%	0.00%	73.42%	76.45%
49	Computer Import	30	52.00	12.0	0.0	0.3	12.3	64.35	18.67%	0.00%	0.52%	19.19%
50	Muffler repair/replacement	3	1.95	12.2	0.0	0.0	12.2	14.18	86.25%	0.00%	0.00%	86.25%
51	Distributor kitchen & bath products	20	7.80	4.3	1.7	5.5	11.5	19.29	22.33%	8.71%	28.52%	59.56%
52	Animal Food Supplies	6	5.15	2.8	0.0	8.6	11.4	16.58	16.88%	0.00%	52.07%	68.96%

TABLE 3. BALDWIN PARK AUDIT DATABASE - AUDIT RESULTS AFTER OUTLIER EXCLUSION

Number	Type of Business	Number of Employees	Disposal (tons/yr)	Total Recycling (tons/yr)	Total Composting (tons/yr)	Total Source Red. (tons/yr)	Total Diversion (tons/yr)	Total Generation (tons/yr)	Recycling Rate (%)	Composting Rate (%)	Source Red. Rate (%)	Diversion Rate (%)
150	Equipment Repair Shop	5	31.20	0.0	0.0	0.8	0.8	32.02	0.15%	0.00%	2.40%	2.55%
151	Hotel	5	7.80	0.1	0.7	0.1	0.8	8.61	0.75%	7.55%	1.06%	9.36%
152	Metal printing plate supplier	2	7.80	0.0	0.0	0.8	0.8	8.60	0.00%	0.00%	9.26%	9.26%
153	Motel	3	7.80	0.3	0.0	0.5	0.8	8.56	2.94%	0.00%	5.98%	8.92%
154	Aircraft parts manufacturing	24	5.07	0.2	0.0	0.5	0.7	5.81	4.18%	0.00%	8.56%	12.74%
155	Convalescent Care	108	35.10	0.0	0.0	0.7	0.7	35.82	0.03%	0.00%	1.99%	2.01%
156	Dental Manufacturing	14	3.12	0.2	0.0	0.5	0.7	3.83	4.99%	0.00%	13.63%	18.62%
157	Distributor auto wheel & accessories	3	6.69	0.0	0.0	0.7	0.7	7.34	0.00%	0.00%	8.92%	8.92%
158	Wood cabinet work	1	3.90	0.0	0.0	0.6	0.6	4.50	0.11%	0.00%	13.26%	13.36%
159	Motel	4	7.80	0.5	0.0	0.1	0.6	8.38	6.20%	0.00%	0.68%	6.89%
160	Clothing Retail	1	3.12	0.0	0.0	0.6	0.6	3.69	0.00%	0.00%	15.49%	15.49%
161	Mfg. Umbrella	78	23.40	0.2	0.0	0.3	0.6	23.97	0.95%	0.00%	1.43%	2.38%
162	Grocery Store	3	42.12	0.0	0.0	0.6	0.6	42.68	0.00%	0.00%	1.32%	1.32%
163	Custom light manufacturing	5	7.80	0.4	0.0	0.1	0.5	8.33	4.61%	0.00%	1.76%	6.37%
164	Mfg. Cemented carbide	28	11.70	0.0	0.0	0.5	0.5	12.23	0.10%	0.00%	4.22%	4.32%
165	Flower store	2	1.76	0.0	0.0	0.5	0.5	2.25	0.00%	0.00%	22.00%	22.00%
166	Closed-door pharmaceutical service	6	1.30	0.0	0.0	0.5	0.5	1.79	0.00%	0.00%	27.18%	27.18%
167	Food Manufacturing	8	12.48	0.0	0.0	0.5	0.5	12.96	0.00%	0.00%	3.69%	3.69%
168	Cleaning equipment rental & sale	8	6.63	0.0	0.0	0.4	0.4	7.04	0.14%	0.00%	5.75%	5.89%
169	Video rental	2	1.76	0.1	0.0	0.3	0.4	2.17	4.08%	0.00%	14.99%	19.06%
170	Aerospace CNC mfg.	2	7.80	0.0	0.0	0.4	0.4	8.20	0.13%	0.00%	4.76%	4.89%
171	Photo studio & developing	1	1.76	0.3	0.0	0.1	0.4	2.15	13.97%	0.00%	4.33%	18.30%
172	Auto upholstery & furniture	3	7.80	0.1	0.0	0.3	0.4	8.19	1.65%	0.00%	3.11%	4.76%
173	Wholesale & retail machinery parts	2	5.85	0.0	0.0	0.4	0.4	6.24	0.00%	0.00%	6.25%	6.25%
174	Party supply retail	1	3.90	0.0	0.0	0.4	0.4	4.28	0.00%	0.00%	8.83%	8.83%
175	Jewelry Manufacturing	12	15.60	0.3	0.0	0.0	0.4	15.95	2.03%	0.00%	0.19%	2.22%
176	Clothing Shop	1	1.30	0.0	0.0	0.3	0.4	1.65	0.86%	0.00%	20.51%	21.37%
177	Paint & auto body shop	6	15.60	0.0	0.0	0.3	0.3	15.94	0.15%	0.00%	2.01%	2.16%
178	Water Filteration	6	7.80	0.0	0.0	0.3	0.3	8.12	0.25%	0.00%	3.71%	3.96%
179	Manufacturing	17	31.20	0.1	0.0	0.2	0.3	31.51	0.27%	0.00%	0.71%	0.99%
180	Women's apparel store	2	1.56	0.0	0.0	0.3	0.3	1.87	0.00%	0.00%	16.35%	16.35%
181	Water refill store	2	6.24	0.0	0.0	0.3	0.3	6.53	0.00%	0.00%	4.48%	4.48%
182	Men's apparel store	1	1.76	0.0	0.0	0.3	0.3	2.05	0.00%	0.00%	14.29%	14.29%
183	Furniture woodwork	20	58.50	0.1	0.0	0.2	0.3	58.79	0.21%	0.00%	0.29%	0.49%
184	Construction	15	3.90	0.3	0.0	0.0	0.3	4.19	6.35%	0.00%	0.51%	6.86%
185	Jewelry retail store	2	1.56	0.0	0.0	0.3	0.3	1.83	0.00%	0.00%	14.93%	14.93%
186	Tire Shop	1	3.90	0.0	0.0	0.3	0.3	4.15	0.00%	0.00%	6.12%	6.12%
187	Mfg. Restaurant equipment	4	7.80	0.0	0.0	0.2	0.2	8.04	0.24%	0.00%	2.69%	2.93%
188	Music Retailer	2	3.12	0.0	0.0	0.2	0.2	3.33	0.00%	0.00%	6.43%	6.43%
189	A/C & Heater repair and installation	7	15.60	0.2	0.0	0.0	0.2	15.78	1.15%	0.00%	0.00%	1.15%
190	Children apparel store	1	1.76	0.0	0.0	0.2	0.2	1.93	0.00%	0.00%	8.86%	8.86%
191	Pallet manufacturing	9	3.90	0.0	0.0	0.2	0.2	4.07	0.07%	0.00%	4.11%	4.19%
192	Leak detection	3	5.85	0.2	0.0	0.0	0.2	6.01	2.65%	0.00%	0.00%	2.65%
193	Automobile wood dashboard work	5	3.47	0.0	0.0	0.2	0.2	3.62	0.00%	0.00%	4.15%	4.15%
194	Computer Assistance/Sales	36	5.15	0.0	0.0	0.1	0.1	5.30	0.00%	0.00%	2.78%	2.78%
195	Sterilized water store	2	8.74	0.0	0.0	0.1	0.1	8.88	0.00%	0.00%	1.57%	1.57%
196	Metal straightened molding	4	6.24	0.1	0.0	0.0	0.1	6.38	1.90%	0.00%	0.24%	2.14%
197	Mfg. Deck & wall sleeves	7	2.60	0.0	0.0	0.1	0.1	2.74	0.00%	0.00%	4.97%	4.97%

TABLE 3. BALDWIN PARK AUDIT DATABASE - AUDIT RESULTS AFTER OUTLIER EXCLUSION

Number	Type of Business	Number of Employees	Disposal (tons/yr)	Total Recycling (tons/yr)	Total Composting (tons/yr)	Total Source Red. (tons/yr)	Total Diversion (tons/yr)	Total Generation (tons/yr)	Recycling Rate (%)	Composting Rate (%)	Source Red. Rate (%)	Diversion Rate (%)
198	Furniture Store	2	3.12	0.0	0.0	0.1	0.1	3.25	0.00%	0.00%	3.98%	3.98%
199	Donut shop	2	1.56	0.0	0.0	0.1	0.1	1.68	0.00%	0.00%	7.28%	7.28%
200	Storage	3	15.60	0.1	0.0	0.0	0.1	15.72	0.68%	0.00%	0.10%	0.78%
201	Hardware retail	5	5.85	0.0	0.0	0.1	0.1	5.97	0.24%	0.00%	1.73%	1.97%
202	Photo printing	3	3.12	0.0	0.0	0.1	0.1	3.22	0.37%	0.00%	2.74%	3.11%
203	Machine Shop	24	7.80	0.0	0.0	0.1	0.1	7.90	0.13%	0.00%	1.08%	1.20%
204	Machine Shop	4	1.56	0.0	0.0	0.1	0.1	1.65	0.00%	0.00%	5.51%	5.51%
205	Mfg. Machinery parts	4	1.30	0.0	0.0	0.1	0.1	1.39	0.00%	0.00%	6.63%	6.63%
206	Vitamin retail store	1	1.56	0.0	0.0	0.1	0.1	1.65	0.00%	0.00%	5.54%	5.54%
207	Party supplier	2	7.80	0.0	0.0	0.1	0.1	7.89	0.11%	0.00%	1.01%	1.13%
208	Math group	15	20.80	0.1	0.0	0.0	0.1	20.89	0.42%	0.00%	0.00%	0.42%
209	Mfg. Wood furniture	3	2.34	0.0	0.0	0.1	0.1	2.42	0.48%	0.00%	2.97%	3.45%
210	Assembly furniture	5	3.90	0.0	0.0	0.1	0.1	3.98	0.00%	0.00%	1.96%	1.96%
211	Lawnmower repair service & sell	1	4.68	0.0	0.0	0.1	0.1	4.75	0.11%	0.00%	1.39%	1.50%
212	Hair salon & beauty supply	3	1.76	0.0	0.0	0.1	0.1	1.81	0.00%	0.00%	3.19%	3.19%
213	Mfg. Furniture frames	5	7.80	0.1	0.0	0.0	0.1	7.86	0.74%	0.00%	0.00%	0.74%
214	Flower store	1	3.12	0.0	0.0	0.1	0.1	3.17	0.00%	0.00%	1.70%	1.70%
215	Commercial dry-clean service	7	1.95	0.1	0.0	0.0	0.1	2.00	2.56%	0.00%	0.11%	2.67%
216	Shoes retail store	4	5.20	0.0	0.0	0.1	0.1	5.25	0.00%	0.00%	1.00%	1.00%
217	Automotive Rebuilder	1	5.85	0.0	0.0	0.0	0.0	5.90	0.00%	0.00%	0.85%	0.85%
218	Auto Insurance Agent	1	3.12	0.0	0.0	0.0	0.0	3.17	0.62%	0.00%	0.95%	1.57%
219	Termite business	7	23.40	0.0	0.0	0.0	0.0	23.45	0.00%	0.00%	0.20%	0.20%
220	Beauty service	3	1.56	0.0	0.0	0.0	0.0	1.61	0.00%	0.00%	2.88%	2.88%
221	Machinery repair service	2	7.80	0.0	0.0	0.0	0.0	7.84	0.00%	0.00%	0.50%	0.50%
222	Carpentry installation	2	3.90	0.0	0.0	0.0	0.0	3.93	0.86%	0.00%	0.00%	0.86%
223	Building contractor	40	1.95	0.0	0.0	0.0	0.0	1.98	0.10%	0.00%	1.58%	1.68%
224	Rebuilding Computer	30	78.00	0.0	0.0	0.0	0.0	78.03	0.00%	0.00%	0.04%	0.04%
225	Auto battery supplies	3	6.24	0.0	0.0	0.0	0.0	6.26	0.39%	0.00%	0.00%	0.39%
226	Travel agent	2	1.76	0.0	0.0	0.0	0.0	1.78	0.00%	0.00%	1.24%	1.24%
227	Import	12	7.80	0.0	0.0	0.0	0.0	7.82	0.26%	0.00%	0.00%	0.26%
228	Wood Kraft mfg.	2	7.80	0.0	0.0	0.0	0.0	7.82	0.00%	0.00%	0.22%	0.22%
229	Tax Preparer	1	3.12	0.0	0.0	0.0	0.0	3.14	0.00%	0.00%	0.52%	0.52%
230	Furniture wood mfg.	4	7.80	0.0	0.0	0.0	0.0	7.81	0.12%	0.00%	0.00%	0.12%
231	Cellular phone retail store	1	1.76	0.0	0.0	0.0	0.0	1.76	0.00%	0.00%	0.43%	0.43%
232	Adult education center	30	28.08	0.0	0.0	0.0	0.0	28.08	0.00%	0.00%	0.00%	0.00%
233	Woodwork cabinet	6	2.60	0.0	0.0	0.0	0.0	2.60	0.00%	0.00%	0.00%	0.00%
234	Custom hand wood turning	4	15.60	0.0	0.0	0.0	0.0	15.60	0.00%	0.00%	0.00%	0.00%
235	Gas station	3	7.80	0.0	0.0	0.0	0.0	7.80	0.00%	0.00%	0.00%	0.00%
236	Donuts store	2	8.74	0.0	0.0	0.0	0.0	8.74	0.00%	0.00%	0.00%	0.00%
237	General auto shop	2	5.20	0.0	0.0	0.0	0.0	5.20	0.00%	0.00%	0.00%	0.00%
238	Transmission auto shop	2	4.16	0.0	0.0	0.0	0.0	4.16	0.00%	0.00%	0.00%	0.00%
	Totals	**7,367**	**7,234**	**2,170**	**41**	**1,377**	**3,589**	**10,823**	20.05%	0.38%	12.72%	33.16%
	Number of Samples Included	233			Standard Error of Sample Mean			1.6%				
	Average Diversion Rate	33.2%			90% Confidence Interval - Lower Limit			30.6%				
	Standard Deviation of Sample Mean	23.7%			90% Confidence Interval - Upper Limit			35.7%				

TABLE 4.
SUMMARY OF COMMERCIAL AND INDUSTRIAL SECTOR SURVEY RESULTS
CITY OF BALDWIN PARK - NEW BASE YEAR GENERATION STUDY (1999)

Row	Description	Tonnage
	Survey Data (Excludes non-respondents and outliers)	
A	Total number of employees surveyed	7,367
B	Total disposal tonnage by audited hauler accounts	7,234
C	Total source reduction tonnage by audited hauler accounts	1,377
D	Total composting tonnage by audited hauler accounts	41
E	Total recycling tonnage by audited hauler accounts	2,170
F	Total diversion tonnage by audited hauler accounts [C + D +E]	3,589
G	Total generation tonnage from audits of hauler accounts [B + F]	10,823
H	Average Source Reduction Rate from audits of hauler accounts [C / G]	12.7%
I	Average Composting Rate from audits of hauler accounts [D / G]	0.4%
J	Average Recycling Rate from audits of hauler accounts [D / G]	20.1%
K	Average Diversion Rate from audits of hauler accounts [H + I + J]	33.2%

TABLE 5. EXTRAPOLATION OF SURVEY RESULTS TO ESTIMATE COMMERCIAL AND INDUSTRIAL SECTOR DIVERSION CITY OF BALDWIN PARK - NEW BASE YEAR GENERATION STUDY (1999)

Row	Description	Amounts
	City-Wide Total Disposal Rates	
A	Jurisdiction Total Disposal (1999 Disposal Reporting System Tonnage)	85,662
B	Disaster Related Disposal	0
C	Corrected Disposal Tonnage for 1999	85,662
	City-Wide Residential Disposal Rates	
D	Residential Disposal Tonnage, Exclusive Franchise Hauler	29,422
	City-Wide Commercial and Industrial Disposal Rates	
E	Commercial and Industrial Disposal Tonnage (Hauler Accounts)	29,611
F	Commercial and Industrial Disposal Tonnage (Self Haul)	26,628
G	Total Commercial and Industrial Disposal Tonnage	56,239
	Commercial/Industrial Hauler Accounts Survey Summary	
H	Total number of employees surveyed	7,367
I	Total generation tonnage by audited hauler accounts	10,823
J	Source Reduction Tonnage from audits of hauler accounts	1,377
K	Composting Tonnage from audits of hauler accounts	41
L	Recycling Tonnage from audits of hauler accounts	2,170
M	Diversion Tonnage from audits of hauler accounts	3,589
	Extrapolation of Survey Data to City-Wide Commercial/Industrial Hauler Accounts	
N	Total number of employees city-wide in 1999 [CA Employment Development Department]	29,830
O	Fraction of employees in city covered by survey [H / N]	24.7%
P	Extrapolated Commercial and Industrial Generation Tonnage from hauler accounts [I / O]	43,823
Q	Extrapolated Commercial and Industrial Source Reduction Tonnage from hauler accounts [J / O]	5,576
R	Extrapolated Commercial and Industrial Composting Tonnage from hauler accounts [K / O]	167
S	Extrapolated Commercial and Industrial Recycling Tonnage from hauler accounts [L / O]	8,788
T	Extrapolated Commercial and Industrial Diversion Tonnage for hauler accounts [Q + R + S]]	14,531
	Summary for All Commerical/Industrial Waste (without ADC and landfill salvage allocation)	
U	Commercial and Industrial Disposal Tonnage [G]	56,239
V	Commercial and Industrial Diversion Tonnage [T]	14,531
W	Commercial and Industrial Generation Tonnage [U + V]	70,770
X	Commercial and Industrial Diversion Rate [V / W]	20.5%

Questions of Clarification: **Baldwin Park** New Generation-Based Study for a New (1999) Base Year Request

Prepared by Zane Poulson
August 2001

Note: This is an initial review of the new base year study submitted for the City of Baldwin Park dated July 17, 2001. This initial review will focus mainly on completeness of the information submitted, with a few additional comments and questions regarding the content. Once Board staff have determined that the new base year certification is adequately completed then there will be an additional review of the content and to determine if additional supporting documentation is needed.

Section 3

- You did not really address the question being asked. The question asks the jurisdiction if the study is representative of average disposal and diversion in the jurisdiction. In other words, was their any unusual disposal or diversion included in the study that is not typical or representative of normal or average diversion or disposal? Some examples of diversion programs or disposal that are not typical or representative may be large road projects, construction or deconstruction projects, or large clean-up events (like river clean-ups, beach clean ups, or old landfill clean-ups) that are not held on an annual basis.

Sections 5 & 6

- Although Section 5 and Section 6 are a little bit redundant they both need to be completed. Section 5 should focus on how the diversion rate and pounds/person/day are consistent with the diversion efforts and the demographics of the City. In other words, please explain how, with the increased generation, City programs address the increased generation. Please give examples of programs put into operation to deal with this increase. Section 6 should focus on <u>why</u> the new base-year generation and resulting diversion rate is more accurate than the existing base-year generation and resulting diversion rate.

Section 8

- All Sections where "Specific conversion factor used (if any) and Source" is requested. If conversion factors were not used, please type "Actual Tons" in those columns for the weighed materials. If a conversion factor was used then you need to reference the actual source, Appendix J is not an acceptable reference. Appendix J may be used to find acceptable sources but the actual source (e.g. FEECO, Tellus, U.S. EPA, etc.) must be used. Each material type must have the conversion factor referenced individually (e.g.

broken glass – 80 lbs/ cubic ft. per FEECO, car tire – 20 lbs/ tire per U.S. EPA, loose carpet and padding – 84 lbs/ cubic yard per Tellus, etc.).

- All Sections where "Type of Record and location of record" is requested: Please fill in the type of record and the physical location where the record can be found in the case of an audit. For example: "Weight tickets (type of record)/Franchise Hauler (location)" or "Department of Conservation (type of record)/ City Office files (location).

- Section 8/Recycling/Curbside Recycling: Please list the specific material types for the recyclables collected.

- Section 8/Recycling/Buyback centers: Please list the specific material types collected at the buyback centers.

- Section 8/Non-Residential Waste Audits/ Source Reduction: The diversion from the waste audits needs to be divided between actual diversion data and extrapolated diversion. The amounts need to be placed in the proper boxes (just to the right of the box labeled "Non-Residential Waste Audits*").

- Section 8/ Non-Residential Waste Audits/ Recycling/ Recycling from the business audits needs to be separated into actual diversion tonnage and extrapolated tonnage and placed in the appropriate boxes just to the right of the box labeled "Non-residential Waste Audits*".

- Section 8/ Non-Residential Waste Audits/ Recycling/ All materials that are composted (e.g. grass, yard waste, other organics) need to be subtracted from the recycling section and added to the Non-Residential Composting Section of the Certification. The composting from the Non-residential Audits needs to be separated between actual composting diversions tons and extrapolated tons.

- Section 8/Residential/Non-Residential Diversion Activities/ADC: What are the material types used for ADC? Is residential green waste included in this total? Please explain.

- Section 8/Landfill Salvage: Please show what the material types are that are salvaged: are any of these Restricted Wastes?

Section 9

- For the top 10 generator businesses with business reference numbers 3, 7, and 5, you listed organic materials (yard waste, grass and other organics). However, you listed 0 under composting. These materials should be listed under composting and not recycling unless you have some unique recycling program for these material types.

- In Section 9/Summarize the non-residential diversion activities quantification methodology and applicable conversion factors. This Section, just below the Table is

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
1	Mexican food manufacturing	170			405.60	Recycling	Cardboard	11.72	50.08 lbs/yd3, Tellus
1						Recycling	Alum. Cans	0.69	1 case (24 cans)=0.89 lbs, USEPA
1						Recycling	Grease	248.82	57 lbs/ft3, FEECO
1						Reuse	Toner Cartridge	0.08	2.5 lbs each, USEPA
1						Reuse	Paper	0.02	5 lbs/ream, USEPA
1						Reuse	Plastic Crate	179.38	5 lbs/creat, business contact
1						Reuse	Plastic Pallet	1.04	40 lbs/pallet, USEPA, divided by 5 (CIWMB reuse credit)
1						Reuse	Wood Pallet	20.80	40 lbs/pallet, USEPA, divided by 5 (CIWMB reuse credit)
2	Supermarket	35			58.50	Recycling	Office Paper	0.52	20 lbs/week, business contact
2						Recycling	Cardboard	251.48	700 lbs/bale, contact person
2						Recycling	Mixed Paper	5.20	50 lbs/box, contact person
2						Recycling	Plastic Streach Wrap	0.88	22.55 lbs/yd3, Tellus
2						Composting	Food Waste	19.50	250 lbs/pallet, contact person
2						Recycling	Meat/Fat	21.32	410 lbs/55 gallon drum, USEPA
2						Reuse	Office Paper	0.26	10 lbs/week, contact person
2						Reuse	Plastic Totes	4.55	2.5 lbs/box replaced, contact person
2						Reuse	Cardboard	3.74	2 lbs/box, contact person
2						Reuse	Wood Pallet	29.95	40 lbs/pallet, USEPA, divided by 5 (CIWMB reuse credit)
2						Reuse	Baked Goods	10.92	30 lbs/cart, contact person
2						Reuse	Toner Cartridge	0.02	2.5 lbs each, USEPA
3	Home appliance retail store	99			468.00	Recycling	Cardboard	168.00	700 lbs/bale, contact person
3						Recycling	Alum. Cans	0.28	5.61 lbs/33 gallons, USEPA
3						Composting	Green Waste	7.15	25 lbs/33 gallons (grass), USEPA
3						Recycling	Wood Pallet	144.00	40 lbs/pallet, USEPA
3						Reuse	Cardboard	2.88	4 lbs each (large), USEPA
3						Reuse	Wood Pallet	28.80	40 lbs/pallet, USEPA, divided by 5 (CIWMB reuse credit)
3						Reuse	Various Items	0.25	500 lbs/year, contact person
4	Government administration	125	312.0	Roll off	15.60	Recycling	Paper	58.04	185 lbs/3 yd3 bin, per Waste Mgmt
4						Recycling	Paper	0.80	400 lbs/yd3 (uncomp), USEPA
4						Recycling	Cardboard	0.90	50.08 lbs/yd3, Tellus
4						Recycling	Alum. Cans	0.16	1 case (24 cans)=0.89 lbs, USEPA
4						Recycling	Tires	3.60	20 lbs/tire, USEPA
4						Composting	Green waste	160.08	350 lbs/1000 ft2 area, CIWMB
4						Reuse	Magazines	0.02	3 lbs/10, USEPA
4						Reuse	Cardboard	0.40	1.1 lbs/box (small), USEPA
4						Reuse	Paper	3.83	5 and 6.4 lbs/ream, USEPA
4						Reuse	Toner cartridge	0.08	2.5 lbs each, USEPA
4						Reuse	Old computers	1.36	26 lbs/CPU, 30 lbs/monitor, USEPA
5	Restaurant distribution center	250			88.92	Recycling	Cardboard	24.04	50.08 lbs/yd3, Tellus

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
5						Recycling	Office Paper	5.23	263.51 lbs/yd3, Tellus
5						Recycling	Office Paper (files)	0.50	1,000 lbs/year, contact person
5						Recycling	Fiberboard	6.00	25 lbs/drum, contact person
5						Recycling	Alum. Cans	0.18	1 case (24 cans)=0.89 lbs, USEPA
5						Recycling	Plastic Shrink Wrap	3.00	500 lbs/month, contact person
5						Recycling	Plastic Bucket	4.10	1.9 lbs/bucket, USEPA
5						Composting	Green Waste	0.97	6.5 tons/acre, U.C. Riverside Extension study
5						Recycling	Wood Pallet	7.20	40 lbs/pallet, USEPA
5						Reuse	Newspaper	0.12	1 lb/paper (USEPA ~ assmes 1/3 in. stack per paper.)
5						Reuse	Mixed Paper	0.08	3 lbs/10, USEPA
5						Reuse	Office Paper	0.63	5 lbs/ream, USEPA
5						Reuse	Cardboard	120.00	2.5 lbs/box, contact person
						Reuse	Plastic Pallet	24.00	40 lbs/pallet, USEPA, divided by 5 (CIWMB reuse credit)
5						Reuse	Plastic Peanuts	1.20	200 lbs/month, contact person
5						Reuse	VHS Tapes	0.79	0.75 lbs/tape, contact person
5						Reuse	Mixed Materials	0.23	300 lbs, 1.5 times/year, contact person
6	Retail Store	115			234.00	Recycling	Cardboard	156.00	750 lbs/bale, contact person
6						Reuse	Mixed Paper	6.24	40 lbs/case, contact person
6						Reuse	Office Paper	0.17	20 % of 1690 lbs of paper double sided, contact person
6						Reuse	Cardboard	1.22	2.5 lbs/box, USEPA, divided by 8 (CIWMB reuse credit)
6						Reuse	Metal Carts	0.50	1,000 lbs/year, contact person
6						Reuse	Wood Pallet	41.60	40 lbs/pallet, USEPA
6						Reuse	Textiles	6.00	500 lbs cloths/pallet, contact person
6						Reuse	Toner Cartridge	0.05	2.5 lbs each, USEPA
7	Plastic molding manufacturing	150			70.20	Recycling	Cardboard	120.00	20,000 lbs/month, contact person
7						Recycling	Office Paper	0.33	25.41 lbs/33 gallons, USEPA
7						Reuse	Cardboard	16.50	2.2 lbs/box (med), USEPA
7						Reuse	Plastic	6.00	60 lbs/container, contact person
7						Reuse	Wood Pallet	52.00	40 lbs/pallet, USEPA, divided by 5 (CIWMB reuse credit)
8	Hospital	2400			1,263.60	Recycling	Cardboard	96.00	400 lbs/yd3 (uncomp), USEPA
8						Recycling	Grease	2.46	410 lbs/55 gallon drum, USEPA
8						Reuse	Office Paper	1.63	0.012 lbs/paper, USEPA
8						Reuse	Mixed Paper	0.39	3 lbs/10, USEPA
8						Reuse	Plastic	18.72	9 lbs/bag, contact person
8						Reuse	Mixed Materials	1.50	3,000 lbs/person, contact person
9	Mail service	475	1170.0	Compactor	**263.25**	Recycling	Paper	19.63	363.5 lbs/yd3, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
9						Reuse	Wood pallets	28.80	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
9						Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
10	Commercial labeling service	9	156.0	Roll off	7.80	Recycling	Cardboard	2.60	1.1, 2.2, and 4 lbs each, USEPA
10						Recycling	Alum. Cans	0.04	5.61 lbs/33 gallons, USEPA
10						Reuse	Cardboard	13.00	1.25 lbs each box, per manager
10						Reuse	Plastic	1.56	40 lbs/pallet, USEPA, divided by 5 (CIWMB reuse credit)
10						Reuse	Wood pallets	41.60	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
11	Mfg. Envelope	10	195.0	Roll off	9.75	Recycling	Paper	60.00	800 lbs/yd3, USEPA (compacted, stacked white for office paper bales) = 10,000 lbs/month avg. per manager
11						Recycling	Cardboard	1.40	350 lbs/bale (<400 lbs/yd3, compacted, USEPA), per manager
11						Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
11						Reuse	Cardboard	0.14	1.1 and 2.2 lbs/box, USEPA
11						Reuse	Plastic	0.00	1.9 lbs/bucket, USEPA
11						Reuse	Wood pallets	1.20	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
12	Mfg. extruder, converter, printer	95	1404.0	Roll off	70.20	Recycling	Cardboard	39.00	50.08 lbs/yd3, Tellus
12						Reuse	Wood pallets	10.40	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
13	Plastic molding manufacturing	8	332.8	Roll off	16.64	Recycling	Alum. Cans	0.08	1 case (24 cans)=0.89 lbs, USEPA
13						Recycling	Cardboard	32.85	6 lbs/gaylord box, per manager
13						Reuse	Plastic	0.03	15 lbs/55 gallon drum, per manager
13						Reuse	Wood pallets	21.90	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
14	School	75	1560.0	Roll off	78.00	Recycling	Paper	0.55	363.5 lbs/yd3, USEPA
14						Recycling	Cardboard	0.02	16.64 lbs/yd3, Tellus
15	Automotive Parts	50	234.0	Roll off	11.70	Recycling	Cardboard	40.80	850 lbs/bale, per manager
15						Reuse	Wood pallets	0.84	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
16	Auto wheel distributor	30	312.0	Roll off	15.60	Recycling	Cardboard	1.31	2.2 and 4 lbs/box, USEPA
16						Reuse	Paper	0.03	5 lbs/ream, USEPA
16						Reuse	Cardboard	1.96	2.2 and 4 lbs/box, USEPA
16						Reuse	Wood pallets	36.54	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
17	Wholesale children books	50	1040.0	Roll off	52.00	Recycling	Paper	6.51	16.64 lbs/yd3, Tellus
17						Recycling	Alum. Cans	0.11	5.61 lbs/33 gallons, USEPA
17						Reuse	Paper	4.90	5 lbs/ream, USEPA
17						Reuse	Cardboard	19.50	1.1, 2.2, and 4 lbs each, USEPA
17						Reuse	Plastic	0.00	1.9 lbs/bucket, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
17						Reuse	Wood pallets	8.06	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
17						Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
18	Importer and Distributor	19	499.2	Roll off	24.96	Recycling	Cardboard	26.00	50.08 lbs/yd3, Tellus
18						Recycling	Scrap metal	0.75	1500 lbs/yr, per manager. Counts since business <10 yrs old.
18						Reuse	Paper	0.15	5 lbs/ream, USEPA
18						Reuse	Cardboard	6.58	50.08 lbs/yd3, Tellus
18						Reuse	Scrap metal	1.50	3000 lbs/yr, per manager. Counts since business <10 yrs old.
18						Reuse	Wood pallets	4.16	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
18						Reuse	Fabric	0.08	150 lbs/year, per manager
18						Reuse	Toner cartridge	0.05	2.5 lbs each, USEPA
19	Tool hardware distributor	8	133.7	Roll off	6.69	Reuse	Cardboard	32.63	1.1, 2.2, and 4 lbs each, USEPA
19						Reuse	Newspaper	0.76	35 lbs/12" stack, USEPA
19						Reuse	Plastic	0.13	1 lb/day film plastic reused, per manager
19						Reuse	Wood pallets	3.65	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
20	School	56	1560.0	Roll off	78.00	Recycling	Paper	3.00	363.5 lbs/yd3, USEPA
20						Recycling	Computer paper	31.16	655 lbs/yd3, USEPA
20						Recycling	Alum. Cans	2.23	5.61 lbs/33 gallons, USEPA
20						Reuse	Plastic	0.03	1.9 lbs/bucket, USEPA
21	School	19			156.00	Recycling	Cardboard	3.01	50.08 lbs/yd3, Tellus
21						Recycling	Mixed Paper	30.22	755 lbs/yd3, USEPA
21						Recycling	Glass	1.43	2,,851 lbs/year, contact person
21						Recycling	Alum. Cans	0.41	5.61 lbs/33 gallons, USEPA
22	School	49	1170.0	Roll off	58.50	Recycling	Paper	31.16	363.5 lbs/yd3, USEPA
22						Recycling	Cardboard	3.00	50.08 lbs/yd3, Tellus
22						Recycling	Alum. Cans	0.27	5.61 lbs/33 gallons, USEPA
22						Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
23	School	59	1560.0	Roll off	78.00	Recycling	Paper	31.16	363.5 lbs/yd3, USEPA
23						Recycling	Cardboard	3.00	50.08 lbs/yd3, Tellus
23						Recycling	Alum. Cans	0.06	5.61 lbs/33 gallons, USEPA
23						Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
24	School	59			140.40	Recycling	Cardboard	3.01	50.08 lbs/yd3, Tellus
24						Recycling	Mixed Paper	30.22	755 lbs/yd3, USEPA
24						Recycling	Alum. Cans	0.04	7.02 lbs/13 gallons, USEPA
25	School	40	1560.0	Roll off	78.00	Recycling	Alum. Cans	0.06	5.61 lbs/33 gallons, USEPA
25						Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
26	Cassette manufacturing	24	585.0	Roll off	29.25	Recycling	Cardboard	32.50	200-300 lbs/day, per manager
26						Recycling	Alum. Cans	0.05	17.82 lbs/33 gallons (crushed), USEPA
26						Reuse	Tin cans	0.01	0.77 lbs/can (#10), USEPA
26						Reuse	Toner cartridge	0.09	2.5 lbs each, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
27	School	23	1170.0	Roll off	58.50	Recycling	Paper	29.04	363.5 lbs/yd3, USEPA
27						Recycling	Cardboard	3.00	50.08 lbs/yd3, Tellus
28	School	20	1560.0	Roll off	78.00	Recycling	Paper	28.35	363.5 lbs/yd3, USEPA
28						Recycling	Cardboard	2.93	50.08 lbs/yd3, Tellus
28						Recycling	Alum. Cans	0.23	17.82 lbs/33 gallons (crushed), USEPA
28						Reuse	Polystyrene	0.93	1.5 lbs/33 gallons, USEPA
29	Restaurant	26	936.0	Roll off	46.80	Recycling	Glass	26.52	12 lbs/case (bottles), USEPA
29						Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
29						Reuse	Paper	0.03	5 lbs/ream, USEPA
29						Reuse	Cardboard	0.65	1.1, 2.2, and 4 lbs each, USEPA
29						Reuse	Plastic	0.08	0.33 lbs/1 gal. HDPE jug, USEPA
30	Party good retail store	9	312.0	Roll off	15.60	Recycling	Cardboard	27.38	2.2 and 4 lbs each, USEPA
30						Reuse	Cardboard	0.22	2.2 lbs each (medium), USEPA
31	Furniture Distributor	8	1560.0	Roll off	78.00	Recycling	Cardboard	7.80	50.08 lbs/yd3, Tellus
31						Reuse	Paper	0.05	5 lbs/ream, USEPA
31						Reuse	Cardboard	15.60	50.08 lbs/yd3, Tellus
31						Reuse	Wood pallets	0.21	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
31						Reuse	Furniture	3.00	500 lbs/month saved by repair & cannibalization, per manager
32	Soft-drink Warehouse/Distribution center	200	1872.0	Roll off	93.60	Recycling	Paper	1.61	10.01 lbs/33 gallon, USEPA
32						Recycling	Cardboard	7.81	50.08 lbs/yd3, Tellus
32						Recycling	Alum. Cans	0.78	65 lbs/yd3, USEPA
32						Recycling	Plastic	0.14	0.12 lbs/PET bottle, USEPA
32						Composting	Green waste	1.08	25 lbs/33 gal. container, USEPA
32						Reuse	Wood pallets	42.80	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
32						Reuse (repair)	Tires (truck)	5.20	80 lbs each (avg. of 60-100 lbs), USEPA
33	Lighting Manufacturing	33	312.0	Roll off	15.60	Recycling	Newspaper	24.00	35 lbs/12" stack, USEPA
33						Recycling	Cardboard	1.30	50 lbs/week, per manager
33						Recycling	Alum. Cans	0.21	1 case (24 cans)=0.89 lbs, USEPA
33						Reuse	Wood pallets	0.62	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
34	Office supply retail store	19	312.0	Roll off	15.60	Recycling	Cardboard	9.10	350 lbs/bale, per manager
34						Reuse	Wood pallets	2.60	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
35	Mental disorder care center	200	1497.6	Roll off	74.88	Recycling	Cardboard	2.30	2.2 lbs each (medium), USEPA
35						Recycling	Alum. Cans	0.17	1 case (24 cans)=0.89 lbs, USEPA
35						Reuse	Paper	0.13	5 lbs/ream, USEPA
35						Reuse	Cardboard	0.57	2.2 lbs each (medium), USEPA
35						Reuse	Plastic	0.02	1.5 lbs/container, per manager
35						Reuse	Miscellaneous	21.22	1.5 lbs/item (reusable wares), per manager (x 50% credit taken)
36	Binding manufacturing	50	468.0	Roll off	23.40	Recycling	Cardboard	2.60	50.08 lbs/yd3, Tellus

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
36						Reuse	Paper	0.02	5 lbs/ream, USEPA
36						Reuse	Cardboard	0.01	2.2 and 4 lbs/box, USEPA
36						Reuse	Pallets	20.80	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
36						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
37	Aerospace parts mfg.	40	156.0	Roll off	7.80	Recycling	Cardboard	1.17	1.1 and 2.2 lbs each, USEPA
37						Reuse	Cardboard	18.18	1.1 and 2.2 lbs each, USEPA
37						Reuse	Plastic	2.87	20-25 lbs styrofoam/day, per manager
37						Reuse	Wood pallets	1.92	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
38	Wholesale swim apparel	12	468.0	Roll off	23.40	Recycling	Cardboard	10.77	2.2 lbs/box (med), USEPA
38						Reuse	Cardboard	0.21	1.1 lbs/box, USEPA
38						Reuse	Cardboard	6.50	3 lbs/tube, per manager
38						Reuse	Wood pallets	2.60	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
39	Commercial printing	14	312.0	Roll off	15.60	Recycling	Paper	16.36	5 lbs/ream, USEPA
39						Recycling	Cardboard	0.45	50.08 lbs/yd3, Tellus
39						Reuse	Wood pallets	0.18	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
39						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
40	Adult career training center	90			187.20	Recycling	Cardboard	8.69	16.64 lbs/yd3, Tellus
40						Reuse	Food	7.80	300 lbs/week, per manager
41	Wholesale hardware products	8	156.0	Roll off	7.80	Recycling	Paper	0.25	42.35 lbs/55 gal, USEPA
41						Recycling	Cardboard	0.81	1.1, 2.2, and 4 lbs each, USEPA
41						Recycling	Alum. Cans	0.03	1 case (24 cans)=0.89 lbs, USEPA
41						Composting	Green waste	2.17	25 lbs/33 gallons (grass), USEPA
41						Reuse	Paper	0.03	5 lbs/ream, USEPA
41						Reuse (resale)	Wood pallets	13.00	40 lbs each, USEPA. Pallets are sold to outside users.
41						Reuse	Wood	0.02	40-50 lbs/yr, per manager
42	Hotel	120	2496.0	Roll off	124.80	Recycling	Cardboard	5.20	50.08 lbs/yd3, Tellus
42						Recycling	Alum. Cans	0.31	5.61 lbs/33 gallons, USEPA
42						Reuse	Cooking oil/grease	4.62	57 lbs/ft3, FEECO
42						Reuse	Food (donation)	2.28	10-15 lbs/day food, per manager
42						Reuse	Fabric (clothing)	1.25	2000-3000 lbs/yr donated, per manager
42						Reuse	Furniture	0.50	1000 lbs/yr donated, per manager
43	Metal Fabrication	100	780.0	Roll off	39.00	Recycling	Paper	0.30	5 lbs/ream, USEPA
43						Recycling	Cardboard	11.40	300 lbs/bale, per manager
43						Reuse	Paper	0.03	5 lbs/ream, USEPA
43						Reuse	Cardboard	1.71	15% of recycled (300 lbs/bale), per manager
43						Reuse	Plastic	0.11	1.9 lbs/bucket, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
43						Reuse	Wood pallets	1.44	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
43						Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
44	Plumbing Supplies	12	124.8	Roll off	6.24	Recycling	Paper	0.36	60% of 100 lbs/month, per manager
44						Reuse	Paper	0.06	5 lbs/ream, USEPA
44						Reuse	Cardboard	1.95	50.08 lbs/yd3, Tellus
44						Reuse	Plastic	0.02	3 lbs/gallon (bubble), USEPA
44						Reuse	Plastic	0.03	6.27 lbs/yd3, Tellus
44						Reuse (fix)	Wood pallets	12.00	40 lbs each, USEPA, to broker for re-build/reuse
44						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
45	Grocery store	3	312.0	Roll off	15.60	Recycling	Cardboard	12.55	1.1, 2.2, and 4 lbs each, USEPA
45						Reuse	Wood pallets	1.87	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
45						Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
46	Clothing Store	26	780.0	Roll off	39.00	Recycling	Cardboard	11.70	50.08 lbs/yd3, Tellus
46						Reuse	Paper	0.05	5 lbs/ream, USEPA
46						Reuse	Cardboard	1.76	50.08 lbs/yd3, Tellus
46						Reuse (salvage)	Scrap metal	0.13	250 lbs/yr, per manager. Counts since business <10 yrs old.
46						Reuse	Plastic	4.88	0.125 lbs/plastic hanger, per manager, divided by 8 (CIWMB reuse credit)
46						Reuse	Wood pallets	5.41	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
46						Reuse	Fabric (clothing)	1.05	30 lbs/box of clothing, per manager
47	Distributor health & beauty products	30	312.0	Roll off	15.60	Recycling	Paper	0.26	5 lbs/ream, USEPA
47						Recycling	Cardboard	1.18	65.5 lbs/case of CPO, per manager
47						Recycling	Alum. Cans	0.03	5.61 lbs/33 gallons, USEPA
47						Reuse	Paper	0.04	5 lbs/ream, USEPA
47						Reuse	Magazines	0.01	3 lbs/10, USEPA
47						Reuse	Cardboard	2.15	2.2 lbs/box (med), USEPA
47						Reuse	Wood pallets	5.20	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
48	Auto tire repair & retail	2	78.0	Roll off	3.90	Recycling	Cardboard	0.47	4 lbs each (large), USEPA
48						Reuse	Alum. Cans	0.03	5.61 lbs/33 gallons, USEPA
48						Reuse	Cardboard	0.16	4 lbs each (large), USEPA
48						Reuse (repair)	Tires	12.00	20 lbs/tire, USEPA
49	Computer Import	30	1040.0	Roll off	52.00	Recycling	Cardboard	12.00	50.08 lbs/yd3, Tellus
49						Reuse	Paper	0.30	5 lbs/ream, USEPA
49						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
49						Reuse	Miscellaneous	0.04	72 lbs/year (parts), per manager
50	Muffler repair/replacement	3	39.0	Roll off	1.95	Recycling	Cardboard	12.23	1.1, 2.2, and 4 lbs each, USEPA
51	Distributor kitchen & bath products	20	156.0	Roll off	7.80	Recycling	Cardboard	4.31	2.2 lbs each (medium), USEPA
51						Composting	Green waste	1.68	840 lbs/3 yd3, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
51						Reuse	Paper	0.30	5 lbs/ream, USEPA
51						Reuse	Wood pallets	5.20	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
52	Animal Food Supplies	6	103.0	Roll off	5.15	Recycling	Paper	0.20	8 lbs/33 gal shredded paper, USEPA
52						Recycling	Cardboard	2.60	50.08 lbs/yd3, Tellus
52						Reuse	Paper	0.05	5 lbs/ream, USEPA
52						Reuse	Cardboard	1.30	50.08 lbs/yd3, Tellus
52						Reuse	Fiber drums	1.05	3.5 lbs/10 gal drum, field measure
52						Reuse	Wood pallets	5.20	40 lbs each, USEPA (to scavenger - full reuse credit)
52						Reuse (repair)	Wood pallets	1.04	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
53	Assembly leeper stair	22	140.4	Roll off	7.02	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
53						Reuse	Paper	0.01	5 lbs/ream, USEPA
53						Reuse	Cardboard	2.61	2.2 and 4.0 lbs/box, USEPA
53						Reuse	Wood	7.80	300 lbs/week, per manager
53						Reuse	Wood pallets	0.73	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
54	Tire supplies	2	104.0	Roll off	5.20	Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
54						Recycling	Tires	10.40	20 lbs/tire, USEPA
54						Reuse	Cardboard	0.33	1.1, 2.2, and 4 lbs each, USEPA
55	Wood furniture manufacturing	30	1560.0	Roll off	78.00	Recycling	Alum. Cans	0.12	1 case (24 cans)=0.89 lbs, USEPA
55						Reuse	Cardboard	2.09	4 lbs each (large), USEPA
55						Reuse	Pallets	8.32	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
56	Metal Fabrication	11	103.0	Roll off	5.15	Recycling	Scrap metal	9.00	1500 lbs/month, per manager. Counts since business <10 yrs old.
56						Reuse	Paper	0.08	5 lbs/ream, USEPA
56						Reuse	Cardboard	0.65	25 lbs/week, per manager
56						Reuse	Scrap metal	0.18	35 lbs/55 gal drum, per manager. Counts since business <10 yrs old.
56						Reuse	Wood pallets	0.52	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
57	Warehouse/Distribution	18	780.0	Roll off	39.00	Recycling	Cardboard	5.85	225 lbs/week, per manager
57						Reuse	Paper	0.33	5 lbs/ream, USEPA
57						Reuse	Cardboard	1.95	300 lbs/week, per manager
57						Reuse	Wood pallets	2.08	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
57						Reuse	Toner cartridge	0.06	2.5 lbs each, USEPA
58	Color/Chemical	15	243.4	Roll off	12.17	Recycling	Alum. Cans	0.03	1 case (24 cans)=0.89 lbs, USEPA
58						Reuse	Wood pallets	10.08	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
58						Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
59	Grocery and Liquor Store	5	62.4	Roll off	3.12	Recycling	Cardboard	10.04	1.1 lbs each (small), USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
60	Grocery Store	5	624.0	Roll off	31.20	Recycling	Cardboard	0.08	50.08 lbs/yd3, Tellus
60						Reuse	Newspaper	1.00	35 lbs/12" stack, USEPA
60						Reuse	Magazines	0.05	3 lbs/10, USEPA
60						Reuse	Cardboard	6.84	2.2 and 4 lbs/box, USEPA
60						Donation	Food	1.56	60 lbs/week donated, per manager
61	Grocery store	5	166.4	Roll off	8.32	Recycling	Cardboard	2.00	2.2 lbs/box (med), USEPA
61						Recycling	Alum. Cans	0.05	1 case (24 cans)=0.89 lbs, USEPA
61						Recycling	Plastic	0.02	.05 lb/12 oz. Container, USEPA
61						Reuse	Plastic	7.80	3 lbs/crate, per manager
62	Night club & bar	4	78.0	Roll off	3.90	Recycling	Cardboard	0.91	35 lbs/week, per manager
62						Recycling	Glass	8.19	0.53 lbs/bottle, USEPA
62						Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
63	Die Cutting and Foam Rubber	65	1872.0	Roll off	93.60	Recycling	Paper	1.10	42.35 lbs/55 gal, USEPA
63						Recycling	Cardboard	2.60	50.08 lbs/yd3, Tellus
63						Reuse	Paper	0.90	5 lbs/ream, USEPA
63						Reuse	Cardboard	2.60	50.08 lbs/yd3, Tellus
63						Reuse	Wood pallets	2.08	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
63						Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
64	Candy manufacturer	22	468.0	Roll off	23.40	Recycling	Cardboard	6.00	1 ton every 2 months, per manager
64						Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
64						Reuse	Paper	0.01	5 lbs/ream, USEPA
64						Reuse	Wood pallets	0.80	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
65	Liquor store	2	312.0	Roll off	15.60	Recycling	Cardboard	5.70	1.1, 2.2, and 4 lbs each, USEPA
65						Recycling	Glass	0.48	0.53 lbs per bottle, USEPA
65						Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
65						Reuse	Plastic	2.60	5 lbs/plastic crate, per manager
66	Restaurant	5	468.0	Roll off	23.40	Recycling	Cardboard	1.10	2.2 lbs each (medium), USEPA
66						Reuse	Cooking oil/grease	0.98	410 lbs/55 gallon drum, USEPA
67	School	72	780.0	Roll off	39.00	Recycling	Cardboard	3.91	50.08 lbs/yd3, Tellus
67						Composting	Green waste	7.28	840 lbs/3 yd3, USEPA
67						Reuse	Plastic	0.04	0.33 lbs/1 gal. HDPE jug, USEPA
68	Tea Import	8	117.0	Roll off	5.85	Recycling	Cardboard	1.30	50 lbs/yd3, Tellus
68						Reuse	Paper	0.03	5 lbs/ream, USEPA
68						Reuse	Cardboard	3.84	1.1, 2.2, and 4.0 lbs/box, USEPA
68						Reuse	Paper bags	0.15	0.5 lb/bag, actual wt per manager
68						Reuse	Plastic (sheet)	0.52	1 lb/yd2, USEPA
68						Reuse	Wood pallets	2.08	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
69	Seasoned Blends	31	1170.0	Roll off	58.50	Recycling	Cardboard	6.00	1000 per month, per manager
69						Recycling	Alum. Cans	0.11	1 case (24 cans)=0.89 lbs, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
69						Reuse	Wood pallets	1.44	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
70	Textiles	30	2080.0	Roll off	104.00	Recycling	Cardboard	6.00	50.08 lbs/yd3, Tellus
70						Reuse	Cardboard	0.92	2.2 lbs each (medium), USEPA
70						Reuse	Wood pallets	0.62	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
71	Machine Shop	50	1170.0	Roll off	58.50	Recycling	Alum. Cans	0.91	7.02 lbs/13 gallons, USEPA
71						Reuse	Pallets	4.40	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
71						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
72	Carburetor, Tune-ups auto shop	3	39.0	Roll off	1.95	Recycling	Cardboard	7.34	1.1 and 2.2 lbs/box, USEPA
72						Recycling	Magazines	0.01	3 lbs/10, USEPA
72						Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
73	Motel	12	468.0	Roll off	23.40	Recycling	Alum. Cans	4.63	17.82 lbs/33 gallons (crushed), USEPA
73						Reuse	Paper	0.12	5 lbs/ream, USEPA
74	School	39	1560.0	Roll off	78.00	Recycling	Paper	3.48	363.5 lbs/yd3, USEPA
74						Recycling	Cardboard	3.03	50.08 lbs/yd3, Tellus
74						Recycling	Alum. Cans	0.03	5.61 lbs/33 gallons, USEPA
75	Hand tools manufacturing	80	1170.0	Roll off	58.50	Recycling	Paper	0.07	10.01 lbs/33 gallon, USEPA
75						Recycling	Cardboard	1.30	16.64 lbs/yd3, Tellus
75						Reuse	Wood pallets	0.58	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
75						Reuse	Other	2.35	15 lbs/day polishing belts given away, per manager
76	Market	25	2808.0	Roll off	140.40	Recycling	Cardboard	0.57	2.2 lbs each (medium), USEPA
76						Reuse	Newspaper	0.38	35 lbs/12" stack, USEPA
76						Donation	Food (donation)	3.71	1443 lbs/yd3, Tellus
76						Reuse	Toner cartridge	0.07	2.5 lbs each, USEPA
77	Meat Market	7	312.0	Roll off	15.60	Recycling	Newspaper	0.30	50 lbs/month, per manager
77						Recycling	Cardboard	6.00	50.08 lbs/yd3, Tellus
78	Car Dealer	23	312.0	Roll off	15.60	Recycling	Cardboard	0.29	2.2 lbs each (medium), USEPA
78						Recycling	Alum. Cans	0.06	1 case (24 cans)=0.89 lbs, USEPA
78						Recycling	Plastic	0.04	0.33 lbs/1 gal. HDPE jug, USEPA
78						Recycling	Plastic	0.03	0.05 lbs/beverage cont., USEPA
78						Recycling	Tires	5.40	20 lbs/tire, USEPA
78						Reuse	Plastic	0.04	6.27 lbs/yd3, Tellus
78						Reuse	Toner cartridge	0.05	2.5 lbs each, USEPA
79	Golf Club Distributor	14	46.8	Roll off	2.34	Recycling	Cardboard	5.85	1.5 lbs each box, per manager
79						Reuse	Paper	0.05	5 lbs/ream, USEPA
79						Reuse	Cardboard	0.02	1:25 lbs each box, field measured
79						Reuse	Plastic	0.01	6.27 lbs/yd3, Tellus
80	Leather Supplies	5	25.0	Roll off	1.25	Reuse	Paper	0.08	5 lbs/ream, USEPA
80						Reuse	Cardboard	1.56	2.2 and 4 lbs each, USEPA
80						Reuse	Plastic	0.13	5 lbs/week plastic bags, per manager

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
80						Reuse (repair)	Wood pallets	4.16	40 lbs each, USEPA (to scavenger - full CIWMB reuse credit)
80						Reuse	Toner cartridge	0.00	2.5 lbs each, USEPA
81	Machine Shop	12	124.8	Roll off	6.24	Recycling	Cardboard	0.15	25 lbs/month, per manager
81						Recycling	Alum. Cans	0.05	17.82 lbs/33 gallons (crushed), USEPA
81						Recycling	Scrap metal	5.40	906 lbs/yd3, USEPA
81						Reuse	Wood pallets	0.05	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
82	Waterbed manufacturing	4	156.0	Roll off	7.80	Recycling	Cardboard	0.49	1.1, 2.2, and 4 lbs each, USEPA
82						Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
82						Recycling	Plastic	5.00	500 lbs/box (sheeting), per manager
82						Reuse	Wood pallets	0.29	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
83	Electronics Manufacture	50	390.0	Roll off	19.50	Recycling	Cardboard	3.90	50.08 lbs/yd3, Tellus
83						Reuse	Paper	0.12	5 lbs/ream, USEPA
83						Reuse	Cardboard	0.06	10 lbs/month, per manager
83						Reuse	Plastic	1.00	2000 lbs/yr, per manager
83						Reuse	Wood pallets	0.42	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
83						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
84	School	52	1560.0	Roll off	78.00	Recycling	Cardboard	3.91	50.08 lbs/yd3, Tellus
84						Recycling	Computer paper	1.23	655 lbs/yd3, USEPA
84						Recycling	Alum. Cans	0.18	1 case (24 cans)=0.89 lbs, USEPA
84						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
85	Wood Mfg. & Hardware supply	47	1560.0	Roll off	78.00	Recycling	Cardboard	3.25	25 lbs/day, per manager x 260 days
85						Recycling	Computer paper	0.06	10 lbs/month, per manager
85						Recycling	Alum. Cans	0.29	5.61 lbs/33 gallons, USEPA
85							Plastic	0.08	1.5 lbs/33 gal. bag full mixed plastic bottles, per manager
85						Reuse	Wood pallets	1.20	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
85						Reuse	Toner cartridge	0.09	2.5 lbs each, USEPA
85						Reuse	Textiles (rags)	0.14	1 lb/ft2, USEPA (100 rags sent to linen service/2 weeks x 3 ft2/rag)
86	Property management company	20	62.4	Roll off	3.12	Recycling	Alum. Cans	0.29	1 case (24 cans)=0.89 lbs, USEPA
86						Reuse	Wood pallets	0.94	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
87	Grocery Distributor	6	124.8	Roll off	6.24	Recycling	Alum. Cans	0.05	1 case (24 cans)=0.89 lbs, USEPA
87						Reuse	Cardboard	4.34	16.64 lbs/yd3, Tellus
87						Reuse	Wood pallets	0.48	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
88	Mfg. Automatic packaging equipment	21	156.0	Roll off	7.80	Recycling	Alum. Cans	0.08	1 case (24 cans)=0.89 lbs, USEPA
88						Composting	Green waste	0.59	25 lbs/33 gal. container, USEPA
88						Reuse	Paper	0.01	5 lbs/ream, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
88						Reuse	Paper	0.07	8 lbs/33 gal shredded paper, USEPA
88						Reuse	Cardboard	3.25	1.1, 2.2, and 4 lbs each, USEPA
88						Reuse	Wood pallets	0.31	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
89	Mfg. Stable equipment	22	416.0	Roll off	20.80	Recycling	Cardboard	0.26	1.1, 2.2, and 4 lbs each, USEPA
89						Recycling	Alum. Cans	0.01	5.61 lbs/33 gallons, USEPA
89						Reuse	Cardboard	0.19	4 lbs each (large), USEPA
89						Reuse	Plastic	0.05	6.27 lbs/yd3, Tellus
89						Reuse (repair)	Wood Pallets	2.09	40 lbs each, USEPA (repair - full CIWMB reuse credit)
89						Reuse	Sawdust	0.13	375 lbs/yd3, Tellus
89						Reuse	Wood pallets	0.60	40 lbs each, USEPA (used as firewood)
89						Reuse	Wood pallets	0.43	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
90	RV Sales	20	624.0	Roll off	31.20	Recycling	Cardboard	3.91	50.08 lbs/yd3, Tellus
90						Recycling	Paper	0.50	5 lbs/ream, USEPA
90						Recycling	Alum. Cans	0.05	1 case (24 cans)=0.89 lbs, USEPA
90						Reuse	Polystyrene	0.52	1.5 lbs/33 gallons, USEPA
90						Reuse	Wood pallets	0.05	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
91	Handbag Warehouse	25	78.0	Roll off	3.90	Recycling	Cardboard	3.90	50.08 lbs/yd3, Tellus
91						Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
91						Reuse	Paper	0.03	5 lbs/ream, USEPA
91						Reuse	Wood pallets	0.05	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
92	Diesel and Motor Racing Fuel Distrib.	5	312.0	Roll off	15.60	Recycling	Cardboard	0.60	100 lbs/month, per manager
92						Reuse	Paper	0.02	5 lbs/ream, USEPA
92						Reuse (fix)	Wood pallets	3.60	40 lbs each, USEPA, to scavenger for re-build/reuse
92						Reuse	Wood pallets	0.24	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
92						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
93	Manufacturing Miso	12	374.4	Roll off	18.72	Recycling	Paper	2.28	1 lb/sack (50# dry goods), USEPA
93						Recycling	Cardboard	2.15	2.2 lbs/box (med), USEPA
93						Reuse	Wood pallets	15.60	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
94	Computer mfg. (assembly)	30	132.6	Roll off	6.63	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
94						Reuse	Cardboard	3.92	2.2 and 4.0 lbs/box, USEPA
94						Reuse	Paper	0.20	5 lbs/ream, USEPA
95	Auto detail distributor	2	44.2	Roll off	2.21	Recycling	Cardboard	2.20	2.2 lbs each (medium), USEPA
95						Reuse	Cardboard	0.10	2.2 lbs each (medium), USEPA
95						Reuse	Wood pallets	0.34	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
96	School	75	1560.0	Roll off	78.00	Recycling	Cardboard	3.91	50.08 lbs/yd3, Tellus

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
96						Recycling	Alum. Cans	0.04	1 case (24 cans)=0.89 lbs, USEPA
97	Cheese Manufacturer	10	93.6	Roll off	4.68	Recycling	Cardboard	1.30	50.08 lbs/yd3, Tellus
97						Reuse	Paper	0.17	5 lbs/ream, USEPA
97						Reuse	Cardboard	0.65	50.08 lbs/yd3, Tellus
97						Reuse	Plastic	0.72	24 lbs each 55-gal ABS drum, per manager
97						Reuse	Wood pallets	1.04	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
98	Metal Welding	15	156.0	Roll off	7.80	Recycling	Plastic	3.25	25 lbs/day, per manager x 260 days
98						Reuse	Paper	0.03	5 lbs/ream, USEPA
98						Reuse	Cardboard	0.30	50 lbs/month, per manager
98						Reuse	Wood pallets	0.24	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
99	Meat Market	2	234.0	Roll off	11.70	Recycling	Newspaper	1.30	35 lbs/12" stack, USEPA
99						Recycling	Cardboard	1.82	70 lbs/week, per manager
99						Donation	Food	0.60	100 lbs/month, per management
100	Coffee Roasting	3	31.2	Roll off	1.56	Recycling	Cardboard	0.65	50.08 lbs/yd3, Tellus
100						Reuse	Paper	0.01	5 lbs/ream, USEPA
100						Reuse	Cardboard	0.33	50.08 lbs/yd3, Tellus
100						Reuse	Wood pallets	0.29	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
100						Reuse	Wood pallets	2.40	40 lbs each, USEPA (to broker - full CIWMB reuse credit)
101	Mfg. Glass ornaments	70	249.6	Roll off	12.48	Recycling	Cardboard	0.98	2.2 and 4.0 lbs/box, USEPA
101						Reuse	Paper	0.03	5 lbs/ream, USEPA
101						Reuse	Paper	0.13	1 lb junk mail/day, per manager
101						Reuse	Magazines	0.09	3 lbs/10, USEPA
101						Reuse	Paper	1.30	8 lbs/33 gal shredded paper, USEPA
101						Reuse	Newspaper	0.13	35 lbs/12" stack, USEPA
101						Reuse	Wood pallets	0.45	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
102	Restaurant	10	468.0	Roll off	23.40	Recycling	Alum. Cans	0.20	1 case (24 cans)=0.89 lbs, USEPA
102						Recycling	Glass	1.83	0.5 lbs/bottle, USEPA
102						Reuse	Paper	0.02	5 lbs/ream, USEPA
102						Reuse	Cardboard	0.26	2.2 and 4 lbs/box, USEPA
103	Importer/Distributor	4	104.0	Roll off	5.20	Recycling	Cardboard	0.09	1.1, 2.2, and 4 lbs each, USEPA
103						Reuse	Paper	0.03	5 lbs/ream, USEPA
103						Reuse	Cardboard	2.40	4 lbs each (large), USEPA
103						Reuse	Plastic	0.60	1200 lbs/yr reused as packing material, per manager
103						Reuse	Wood pallets	0.30	40 lbs each, USEPA (rebuild -full credit)
103						Reuse	Toner cartridge	0.00	2.5 lbs each, USEPA
104	Ladies Garment Distributor	8	78.0	Roll off	3.90	Reuse	Paper	0.06	5 lbs/ream, USEPA
104						Reuse	Cardboard	0.12	20 lb/month, per manager

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
104						Reuse	Plastic	3.00	500 lb/month, per manager
104						Reuse	Wood pallets	0.12	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
104						Reuse	Fabric	0.01	Donated garments, per manager
105	Auto body & paint shop	8	780.0	Roll off	39.00	Recycling	Tires	3.25	20 lbs/tire, USEPA
106	Warehouse/Distribution	9	124.8	Roll off	6.24	Recycling	Cardboard	0.30	50.08 lbs/yd3, Tellus
106						Reuse	Paper	0.06	5 lbs/ream, USEPA
106						Reuse	Cardboard	2.62	0.75, 2.0, and 3.2 lbs each, field weighed
106						Reuse	Plastic	0.01	3 lbs/33 gallons, USEPA
106						Reuse	Plastic	0.01	6.27 lbs/yd3, Tellus
106						Reuse	Wood pallets	0.10	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
107	Cooler Refurbishing Center	50	2080.0	Roll off	104.00	Recycling	Cardboard	0.87	16.64 lbs/yd3, Tellus
107						Recycling	Alum. Cans	0.06	7.02 lbs/13 gallons, USEPA
107						Recycling	Plastic	1.56	22.55 lbs/yd3, Tellus
107						Reuse	Paper	0.16	8 lbs/33 gal shredded paper, USEPA
107						Reuse (repair)	Wood pallets	3.90	40 lbs each, USEPA (full credit for fix)
107						Reuse	Wood pallets	3.12	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
108	Auto parts retail	5	117.0	Roll off	5.85	Recycling	Cardboard	0.39	1.1 and 2.2 lbs/box, USEPA
108						Reuse	Wood pallets	0.52	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
109	Manufacturing	13	78.0	Roll off	3.90	Recycling	Cardboard	2.60	50.08 lbs/yd3, Tellus
110	Bakery Shop	4	62.4	Roll off	3.12	Donation	Food	2.81	18 lbs/ft3 (bread), FEECO
111	Trucking company	22	78.0	Roll off	3.90	Recycling	Tires (truck)	2.00	80 lbs each (avg. of 60-100 lbs), USEPA
111						Reuse	Plastic	0.01	
111						Reuse	Wood pallets	0.73	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
112	Manufacturing Doors	12	312.0	Roll off	15.60	Recycling	Alum. Cans	0.10	1 case (24 cans)=0.89 lbs, USEPA
112						Reuse	Wood pallets	2.60	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
113	Hardwood Flooring Contractor	10	421.2	Roll off	21.06	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
113						Reuse	Cardboard	0.03	50 lbs/year, per manager
113						Reuse	Wood	2.60	100 lbs/week, per manager
113						Donation	TVs and VCRs	0.02	30 lbs, per manager
114	Mfg. Spring products	2	65.0	Roll off	3.25	Reuse	Cardboard	2.11	1.1, 2.2, and 4 lbs each, USEPA
114						Reuse	Cardboard	0.40	11 lbs/55 gal. fiber drum, per manager
114						Reuse	Wood pallets	0.02	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
115	Garmet Wholesale Distributor	4	156.0	Roll off	7.80	Recycling	Cardboard	1.95	50.08 lbs/yd3, Tellus
115						Reuse	Paper	0.02	5 lbs/ream, USEPA
115						Reuse	Cardboard	0.14	4 lbs each (large), USEPA
115						Reuse	Plastic	0.07	22.55 lbs/yd3, Tellus

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
115						Reuse	Wood pallets	0.38	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
116	Ice cream store	3	156.0	Roll off	7.80	Recycling	Cardboard	0.40	2.2 and 4.0 lbs/box, USEPA
116						Reuse	Plastic	1.73	1.9 lbs/bucket, USEPA
117	Tax forms wholesale	2	104.0	Roll off	5.20	Recycling	Paper	0.11	5 lbs/ream, USEPA
117						Recycling	Cardboard	0.64	1280 lbs/yr, per manager
117						Recycling	Alum. Cans	0.05	1 case (24 cans)=0.89 lbs, USEPA
117						Reuse	Cardboard	0.55	2.2 lbs/box (med), USEPA
117						Reuse	Wood pallets	1.00	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
117						Reuse	Toner cartridge	0.05	2.5 lbs each, USEPA
118	Mfg. Plastic parts	4	195.0	Roll off	9.75	Reuse	Paper	0.00	37 lbs/ft3 (manila env.), FEECO
118						Reuse	Cardboard	0.31	2.2 lbs/box (med), USEPA
118						Reuse	Wood pallets	0.60	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
119	Clothing manufacturing	10	208.0	Roll off	10.40	Reuse	Paper	0.05	5 lbs/ream, USEPA
120	Chemical packaging	2	7.8	Roll off	0.39	Reuse	Paper	0.02	5 lbs/ream, USEPA
120						Reuse	Cardboard	0.09	15 lbs/month, per manager
120						Reuse	55-gal drums	2.10	35 lbs/drum, per manager. Counts since business <10 yrs old.
120						Reuse	Wood pallets	0.04	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
121	Plastic distribution	19	936.0	Roll off	46.80	Recycling	Alum. Cans	0.09	1 case (24 cans)=0.89 lbs, USEPA
121						Reuse	Paper	0.08	5 lbs/ream, USEPA
121						Reuse	Cardboard	0.30	30 lbs/gaylord, per manager
121						Reuse	Wood pallets	0.40	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
122	Grocery store	2	208.0	Roll off	10.40	Recycling	Cardboard	0.48	80 lbs/month, per manager
122						Reuse	Newspaper	0.12	20 lbs/month, per manager
122						Reuse	Food	1.50	250 lbs/month (meat) donated, per manager
123	Riding Merchandise	14	390.0	Roll off	19.50	Recycling	Cardboard	1.31	2.2 and 4 lbs/box, USEPA
123						Reuse	Paper	0.10	8 lbs/33 gal shredded paper, USEPA
123						Reuse	Wood pallets	5.22	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
124	Mfg. & retail furniture store	4	117.0	Roll off	5.85	Recycling	Cardboard	1.96	2.2 and 4 lbs each, USEPA
125	Assembly key locks	5	156.0	Roll off	7.80	Recycling	Cardboard	0.07	1.1 lbs each (small), USEPA
125						Reuse	Newspaper	0.39	35 lbs/12" stack, USEPA
125						Reuse	Cardboard	1.44	1.1 lbs each (small), USEPA
126	Sportswear Importer/distributor	50	208.0	Roll off	10.40	Recycling	Cardboard	1.80	50.08 lbs/yd3, Tellus
126						Reuse	Paper	0.06	5 lbs/ream, USEPA
127	Builds Musical Instruments	4	117.0	Roll off	5.85	Recycling	Cardboard	0.65	50.08 lbs/yd3, Tellus
127						Reuse	Cardboard	0.99	50.08 lbs/yd3, Tellus

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
127						Reuse	Wood pallets	0.12	40 lbs each, USEPA (full credit for give-away credit, per CIWMB)
128	Wholesale natural history goods	8	78.0	Roll off	3.90	Recycling	Cardboard	1.58	2.2 lbs each (medium), USEPA
128						Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
128						Reuse	Cardboard	0.14	2.2 lbs each (medium), USEPA
129	Marble	20	430.6	Roll off	21.53	Reuse	Paper	0.06	5 lbs/ream, USEPA
129						Reuse	Cardboard	0.30	50 lbs/month, per manager
129						Reuse	Wood pallets	1.20	200 lbs/mo savings, per manager
129						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
130	Wholesale head-caps	11	390.0	Roll off	19.50	Recycling	Cardboard	1.57	4 lbs/box (large), USEPA
131	Airplane parts distributor	47	624.0	Roll off	31.20	Recycling	Paper	0.07	5 lbs/ream, USEPA
131						Recycling	Cardboard	0.60	100 lbs/month, per manager
131						Recycling	Paper	0.04	4 lbs per phone book, USEPA
131						Recycling	Alum. Cans	0.46	17.82 lbs/33 gallons (crushed), USEPA
131						Reuse	Tin cans	0.01	0.77 lbs/can (#10), USEPA
131						Reuse	Wood pallets	0.24	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
131						Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
132	Fabric Wholesaler	6	52.0	Roll off	2.60	Recycling	Alum. Cans	0.10	17.82 lbs/33 gallons (crushed), USEPA
132						Reuse	Cardboard	0.60	100 lbs/month, per manager
132						Reuse	Computer paper	0.33	655 lbs/yd3, USEPA
132						Reuse	Wood pallets	0.40	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
132						Reuse	Toner cartridge	0.00	2.5 lbs each, USEPA
133	Fiber Optics Manufacture and Sales	30	156.0	Roll off	7.80	Reuse	Paper	0.06	5 lbs/ream, USEPA
133						Reuse	Cardboard	0.65	25 lbs/week, per manager
133						Reuse	Scrap metal	0.50	1000 lbs/yr, per manager. Counts since business <10 yrs old.
133						Reuse	Wood pallets	0.22	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
133						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
134	Furniture Manufacturing	30	234.0	Roll off	11.70	Recycling	Alum. Cans	0.01	17.82 lbs/33 gallons (crushed), USEPA
134						Reuse	Cardboard	0.08	3 lbs/week, per manager
134						Reuse	Wood pallets	1.04	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
134						Reuse	Plastic	0.26	10 lbs/55 gal. container of foam, per manager
134						Reuse	Toner cartridge	0.00	2.5 lbs each, USEPA
135	Airplane parts polishing	10	156.0	Roll off	7.80	Recycling	Alum. Cans	0.04	1 case (24 cans)=0.89 lbs, USEPA
135						Reuse	Paper	0.20	2 lbs/week, per manager
135						Reuse	Cardboard	1.04	4 lbs each (large), USEPA
135						Reuse	Wood pallets	0.12	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
136	Mfg. Solid surface & cultured onyx	6	156.0	Roll off	7.80	Reuse	Newspaper	0.46	35 lbs/12" stack, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
136						Reuse	Wood pallets	0.83	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
137	Warehouse	10	112.3	Roll off	5.62	Recycling	Cardboard	0.73	50.08 lbs/yd3, Tellus
137						Reuse	Paper	0.08	5 lbs/ream, USEPA
137						Reuse	Cardboard	0.26	10 lbs/week, per manager
137						Reuse	Plastic	0.02	3 lbs/33 gallons, USEPA
137						Reuse	Plastic	0.04	6.27 lbs/yd3, Tellus
137						Reuse	Wood pallets	0.12	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
138	Wholesale air-conditioning parts	5	101.4	Roll off	5.07	Recycling	Cardboard	0.11	1.1 lbs each (small), USEPA
138						Reuse	Paper	0.13	5 lbs/ream, USEPA
138						Reuse	Cardboard	0.36	1.1 lbs each (small), USEPA
138						Reuse	Wood pallets	0.42	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
139	Laundry machine rebuilding service	5	156.0	Roll off	7.80	Recycling	Cardboard	1.14	2.2 lbs each (medium), USEPA
139						Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
140	Electronic retail store	5	83.2	Roll off	4.16	Reuse	Cardboard	1.14	1.1 and 2.2 lbs each, USEPA
141	424-A Cloverleaf Drive	4	15.6	Roll off	0.78	Recycling	Paper	0.90	150 lbs/month, per manager
141						Reuse	Paper	0.08	5 lbs/ream, USEPA
141						Reuse	Cardboard	0.12	20 lbs/month, per manager
141						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
142	Computer Parts Distribution	15	374.4	Roll off	18.72	Reuse	Paper	0.11	5 lbs/ream, USEPA
142						Reuse	Cardboard	0.91	35 lbs/week, per management
142						Reuse	Plastic (peanuts)	0.04	6.27 lbs/yd3, Tellus
142						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
143	Motel	3	156.0	Roll off	7.80	Recycling	Glass	0.96	0.53 lbs per bottle, USEPA
143						Recycling	Alum. Cans	0.11	1 case (24 cans)=0.89 lbs, USEPA
144	Parking Lot Sweeping	20	156.0	Roll off	7.80	Recycling	Cardboard	0.57	2.2 lbs/box (med), USEPA
144						Recycling	Paper	0.22	5 and 6.4 lbs/ream, USEPA
144						Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
144						Reuse	Paper	0.22	5 and 6.4 lbs/ream, USEPA
144						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
145	Tape Coping	10	104.0	Roll off	5.20	Recycling	Cardboard	0.52	4 lbs each (large), USEPA
145						Reuse	Wood pallets	0.52	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
146	Warehouse/Distribution	20	51.5	Roll off	2.57	Recycling	Cardboard	0.30	50.08 lbs/yd3, Tellus
146						Reuse	Paper	0.11	5 lbs/ream, USEPA
146						Reuse	Cardboard	0.30	50.08 lbs/yd3, Tellus
146						Reuse	Plastic	0.01	6.27 lbs/yd3, Tellus
146						Reuse	Wood pallets	0.04	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
146						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
146						Reuse	Miscellaneous	0.20	10 lbs/box of merchandise, per manager
147	Mfg. Galvanizing steel	5	62.4	Roll off	3.12	Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
147						Reuse	Newspaper	0.13	35 lbs/12" stack, USEPA
147						Reuse	Cardboard	0.35	1.1 and 2.2 lbs each, USEPA
147						Reuse	Pallets	0.42	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
148	Fiberglass Application	4	202.8	Roll off	10.14	Reuse	Plastic	0.83	1.9 lbs/bucket, USEPA
149	Metal stamping mfg.	4	70.7	Roll off	3.54	Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
149						Reuse	Newspaper	0.04	35 lbs/12" stack, USEPA
149						Reuse	Cardboard	0.59	1.1 and 2.2 lbs each, USEPA
149						Reuse	Wood pallets	1.04	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
150	Equipment Repair Shop	5	624.0	Roll off	31.20	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
150						Reuse	Wood pallets	0.77	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
151	Hotel	5	156.0	Roll off	7.80	Recycling	Alum. Cans	0.06	1 case (24 cans)=0.89 lbs, USEPA
151						Composting	Green waste	0.65	25 lbs/33 gallons (grass), USEPA
151						Reuse	Plastic	0.07	2 lbs/container, per manager
151						Reuse	Fabric	0.03	40-60 lbs/year, per manager
152	Metal printing plate supplier	2	156.0	Roll off	7.80	Reuse	Cardboard	0.52	4 lbs each (large), USEPA
152						Reuse	Wood pallets	0.27	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
153	Motel	3	156.0	Roll off	7.80	Recycling	Glass	0.23	0.5 lbs/bottle, USEPA
153						Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
154	Aircraft parts manufacturing	24	101.4	Roll off	5.07	Recycling	Cardboard	0.16	2.2 and 4.0 lbs/box, USEPA
154						Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
154						Recycling	Plastic	0.06	0.12 lbs/PET bottle, USEPA
154						Reuse	Cardboard	0.39	1.1 and 2.2 lbs/box, USEPA
154						Reuse	Paper	0.02	5 lbs/ream, USEPA
154						Reuse	Paper	0.05	0.5 lbs/25 sacks, USEPA
154						Reuse	Wood pallets	0.01	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
155	Convalescent Care	108	702.0	Roll off	35.10	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
155						Reuse	Paper	0.02	5 lbs/ream, USEPA
156	Dental Manufacturing	14	62.4	Roll off	3.12	Recycling	Cardboard	0.09	10-20 lbs/month, per manager
156						Recycling	Alum. Cans	0.10	1 case (24 cans)=0.89 lbs, USEPA
156						Reuse	Paper	0.17	5 lbs/ream, USEPA
156						Reuse	Wood pallets	0.06	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
157	Distributor auto wheel & accessories	3	133.7	Roll off	6.69	Reuse	Cardboard	0.14	2.2 and 4 lbs each, USEPA
157						Reuse	Wood pallets	0.10	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
158	Wood cabinet work	3	78.0	Roll off	3.90	Recycling	Alum. Cans	0.005	1 case (24 cans)=0.89 lbs, USEPA
158						Reuse	Cardboard	0.04	2.2 and 4 lbs/box, USEPA
158						Reuse	Wood	0.56	329.5 lbs/yd3 (scrap, loose), USEPA
159	Motel	4	156.0	Roll off	7.80	Recycling	Glass	0.48	0.53 lbs/beer bottle, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
159						Recycling	Alum. Cans	0.04	1 case (24 cans)=0.89 lbs, USEPA
159						Reuse	Cardboard	0.06	1.1 lb/small box, USEPA
160	Clothing Retail	1	62.4	Roll off	3.12	Reuse	Cardboard	0.57	2.2 lbs each (medium), USEPA
161	Mfg. Umbrella	78	468.0	Roll off	23.40	Recycling	Alum. Cans	0.20	1 case (24 cans)=0.89 lbs, USEPA
161						Reuse	Paper	0.03	5 lbs/ream, USEPA
161						Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
161						Reuse	Computer	0.05	26 lbs each, USEPA
162	Grocery Store	3	842.4	Roll off	42.12	Reuse	Cardboard	0.11	1.1 and 2.2 lbs/box, USEPA
162						Reuse	Plastic	0.46	0.5 lbs/tray, per EcoTelesis field study
163	Custom light manufacturing	5	156.0	Roll off	7.80	Recycling	Cardboard	0.36	1.1 lbs/box (small), USEPA
163						Recycling	Alum. Cans	0.03	1 case (24 cans)=0.89 lbs, USEPA
163						Reuse	Paper	0.00	5 lbs/ream, USEPA
163						Reuse	Cardboard	0.14	1.1 lbs/box (small), USEPA
164	Mfg. Cemented carbide	28	234.0	Roll off	11.70	Recycling	Alum. Cans	0.01	2.21 lbs/13 gallons, USEPA
164						Reuse	Fiberboard	0.10	25 lbs/55-gal drum, per manager
164						Reuse	Plastic	0.36	1.9 lbs/bucket, USEPA
164						Reuse	Wood pallets	0.20	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
165	Flower store	2	35.1	Roll off	1.76	Reuse	Paper	0.05	2 lbs/week, per manager
165						Reuse	Newspaper	0.31	35 lbs/12" stack, USEPA
166	Closed-door pharmaceutical service	6	26.0	Roll off	1.30	Reuse	Cardboard	0.39	1.1 and 2.2 lbs/box, USEPA
166						Reuse	Paper	0.09	37 lbs/ft3 (manila env.), FEECO
166						Reuse	Paper	0.01	5 lbs/ream, USEPA
167	Food Manufacturing	8	249.6	Roll off	12.48	Reuse	Cardboard	0.20	5-10 lbs/week, per manager
167						Reuse	Wood pallets	0.04	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
167						Donation	Food	0.18	300-400 lbs/year, per management
168	Cleaning equipment rental & sale	8	132.6	Roll off	6.63	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
168						Reuse	Paper	0.02	5 lbs/ream, USEPA
168						Reuse	Cardboard	0.39	1.1 and 2.2 lbs each, USEPA
169	Video rental	2	35.1	Roll off	1.76	Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
170	Aerospace CNC mfg.	2	156.0	Roll off	7.80	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
170						Reuse	Cardboard	0.39	1.1 and 2.2 lbs each, USEPA
171	Photo studio & developing	1	35.1	Roll off	1.76	Recycling	Disp. cameras	0.30	50 lbs/55 gal. barrel, per manager
171						Reuse	Plastic	0.06	2 lbs/liq. container, per manager
171						Reuse	Plastic	0.03	5.5 lbs/55 gal. of film cannisters, per manager
172	Auto upholstery & furniture	3	156.0	Roll off	7.80	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
172						Recycling	Plastic	0.02	0.13 lbs/bottle, USEPA
172						Reuse	Wood	0.18	30 lbs/month, per manager
172						Reuse	Plastic (foam)	0.08	10-15 lbs/month, per manager
173	Wholesale & retail machinery parts	2	117.0	Roll off	5.85	Reuse	Cardboard	0.39	2.2 and 4 lbs each, USEPA
174	Party supply retail	1	78.0	Roll off	3.90	Reuse	Newspaper	0.18	35 lbs/12" stack, USEPA
174						Reuse	Cardboard	0.20	2.2 and 4 lbs each, USEPA

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
175	Jewelry Manufacturing	12	312.0	Roll off	15.60	Recycling	Paper	0.26	10.01 lbs/33 gallon, USEPA
175						Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
175						Reuse	Paper	0.03	5 lbs/ream, USEPA
176	Clothing Shop	1	26.0	Roll off	1.30	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
176						Reuse	Paper	0.03	5 lbs/ream, USEPA
177	Paint & auto body shop	6	312.0	Roll off	15.60	Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
177						Reuse	Paper	0.06	10 lbs/week, per manager
178	Water Filteration	6	156.0	Roll off	7.80	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
178						Reuse	Magazines	0.18	3 lbs/10, USEPA
178						Reuse	Paper	0.02	5 lbs/ream, USEPA
178						Reuse	Plastic (bubble)	0.08	3 lbs/33 gallons, USEPA
178						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
179	Manufacturing	17	624.0	Roll off	31.20	Recycling	Cardboard	0.08	2.2 and 4 lbs each, USEPA
179						Recycling	Paper	0.01	4 lbs/phone book, USEPA
179						Reuse	Plastic	0.04	0.33 lbs/1 gal. HDPE jug, USEPA
179						Reuse	Wood pallets	0.01	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
179						Reuse	Textiles (rags)	0.14	1 lb/ft2, USEPA (50 rags sent to linen service/2 weeks x 3 ft2/rag)
180	Women's apparel store	2	31.2	Roll off	1.56	Reuse	Cardboard	0.24	4 lbs each (large), USEPA
181	Water refill store	2	124.8	Roll off	6.24	Reuse	Cardboard	0.14	2.2 and 4.0 lbs/box, USEPA
181						Reuse	Plastic	0.05	0.33 lb/gal jug, USEPA
182	Men's apparel store	1	35.1	Roll off	1.76	Reuse	Cardboard	0.29	2.2 and 4 lbs each, USEPA
183	Furniture woodwork	20	1170.0	Roll off	58.50	Recycling	Alum. Cans	0.12	1 case (24 cans)=0.89 lbs, USEPA
183						Reuse	Wood pallets	0.17	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
184	Construction	15	78.0	Roll off	3.90	Recycling	Paper	0.26	65 lbs/case computer paper, per manager
184							Paper	0.01	4 lbs per phone book, USEPA
185	Jewelry retail store	2	31.2	Roll off	1.56	Reuse	Newspaper	0.27	35 lbs/12" stack, USEPA
186	Tire Shop	1	78.0	Roll off	3.90	Reuse	Cardboard	0.30	1.1 and 2.2 lbs each, USEPA (30/mo)
187	Mfg. Restaurant equipment	4	156.0	Roll off	7.80	Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
187						Reuse	Pallets	0.22	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
188	Music Retailer	2	62.4	Roll off	3.12	Reuse	Cardboard	0.21	1.1, 2.2 and 4 lbs/box, USEPA
189	A/C & Heater repair and installation	7	312.0	Roll off	15.60	Recycling	Newspaper	0.18	35 lbs/12" stack, USEPA
190	Children apparel store	1	35.1	Roll off	1.76	Reuse	Cardboard	0.13	4 lbs each (large), USEPA
190						Reuse	Plastic	0.01	0.125 lbs/plastic hanger, per manager, divided by 8 (CIWMB reuse credit)
191	Pallet manufacturing	9	78.0	Roll off	3.90	Reuse	Textiles (rags)	0.14	1 lb/ft2, USEPA (50 rags sent to linen service/week x 3 ft2/rag)
191						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
192	Leak detection	3	117.0	Roll off	5.85	Recycling	Alum. Cans	0.06	1 case (24 cans)=0.89 lbs, USEPA
192						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
193	Automobile wood dashboard work	5	69.3	Roll off	3.47	Reuse	Wood	0.15	50 lbs every 2 months, per manager

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
194	Computer Assistance/Sales	36	103.0	Roll off	5.15	Reuse	Paper	0.03	5 lbs/ream, USEPA
194						Reuse	Cardboard	0.06	10 lbs/month, per manager
194						Reuse	Plastic	0.03	6.27 lbs/yd3, Tellus
194						Reuse	Toner cartridge	0.03	2.5 lbs each, USEPA
195	Sterilized water store	2	174.7	Roll off	8.74	Reuse	Cardboard	0.10	2.2 lbs/box (med), USEPA
195						Reuse	Plastic	0.04	0.9 lbs/bottle, actual weight
196	Metal straightened molding	4	124.8	Roll off	6.24	Recycling	Paper	0.08	25.41 lbs/33 gallons, USEPA
196						Recycling	Alum. Cans	0.05	1 case (24 cans)=0.89 lbs, USEPA
196						Reuse	Paper	0.02	5 lbs/ream, USEPA
197	Mfg. Deck & wall sleeves	7	52.0	Roll off	2.60	Reuse	Paper	0.01	5 lbs/ream, USEPA
197						Reuse	Cardboard	0.13	1.1 and 2.2 lbs each, USEPA
198	Furniture Store	2	62.4	Roll off	3.12	Reuse	Cardboard	0.11	2.2 lbs/box (med), USEPA
198						Reuse	Paper	0.02	5 lbs/ream, USEPA
199	Donut shop	2	31.2	Roll off	1.56	Reuse	Plastic	0.03	1.5 lbs/container, per manager
199						Donation	Food	0.09	3-4 lbs/week unused food donated, per manager
200	Storage	3	312.0	Roll off	15.60	Recycling	Alum. Cans	0.08	7.02 lbs/13 gallons, USEPA
200						Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
201	Hardware retail	5	117.0	Roll off	5.85	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
201						Reuse	Paper	0.02	5 lbs/ream, USEPA
201						Reuse	Wood pallets	0.09	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
202	Photo printing	3	62.4	Roll off	3.12	Recycling	Paper	0.01	2 lbs/container, per manager
202						Reuse	Cardboard	0.01	1.1 lbs/box (small), USEPA
202						Reuse	Disp. cameras	0.08	25 lbs/33 gal. container, per manager
203	Machine Shop	24	156.0	Roll off	7.80	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
203						Reuse	Cardboard	0.01	20 lbs/year, per manager
203						Reuse	Paper	0.01	8 lbs/33 gal shredded paper, USEPA
203						Reuse	Plastic	0.01	3 lbs/gallon (bubble), USEPA
203						Reuse	Toner cartridge	0.02	2.5 lbs each, USEPA
204	Machine Shop	4	31.2	Roll off	1.56	Reuse	Paper	0.02	5 lbs/ream, USEPA
204						Reuse	Cardboard	0.06	4 lbs/box (large), USEPA
204						Reuse	Wood pallets	0.02	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
205	Mfg. Machinery parts	4	26.0	Roll off	1.30	Reuse	Cardboard	0.09	1.1 and 2.2 lbs each, USEPA
206	Vitamin retail store	1	31.2	Roll off	1.56	Reuse	Cardboard	0.07	1.1 and 2.2 lbs/box, USEPA
206						Reuse	Medicines	0.02	4 lbs/mo. (non-perish), per manager
207	Party supplier	2	156.0	Roll off	7.80	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
207						Reuse	Wood pallets	0.08	40 lbs each, USEPA, divided by 5 (CIWMB reuse credit)
208	Math group	15	416.0	Roll off	20.80	Recycling	Alum. Cans	0.09	1 case (24 cans)=0.89 lbs, USEPA
209	Mfg. Wood furniture	3	46.8	Roll off	2.34	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
210	Assembly furniture	5	78.0	Roll off	3.90	Reuse	Plastic	0.04	1-2 lbs foam pads/week, per manager
210						Reuse	Fabric	0.04	1-2 lbs fabrics/week, per manager

TABLE 1. SUMMARY OF ALL GENERATORS SURVEYED - Excludes Top 10 Generators (ATTACHMENT 9)

Ref. #	Type of Business	Number of Employees	Cubic yards of disposal	Roll off or Compactor	Disposal* (tons/yr)	Diversion Activity	Material Type	Tons Diverted	Conversion Factor and Source
211	Lawnmower repair service & sell	1	93.6	Roll off	4.68	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
211						Reuse	Cardboard	0.07	2.2 lbs each (medium), USEPA
212	Hair salon & beauty supply	3	35.1	Roll off	1.76	Reuse	Cardboard	0.04	2.2 lbs each (medium), USEPA
212						Reuse	Miscellaneous	0.02	5 lbs/2 months product returned, per manager
213	Mfg. Furniture frames	5	156.0	Roll off	7.80	Recycling	Alum. Cans	0.06	1 case (24 cans)=0.89 lbs, USEPA
214	Flower store	1	62.4	Roll off	3.12	Reuse	Cardboard	0.03	1.1 and 2.2 lbs each, USEPA
214						Reuse	Other organics	0.02	12 lbs/33 gal. container, USEPA
215	Commercial dry-clean service	7	39.0	Roll off	1.95	Recycling	Alum. Cans	0.05	1 case (24 cans)=0.89 lbs, USEPA
216	Shoes retail store	4	104.0	Roll off	5.20	Reuse	Cardboard	0.05	0.35 lbs/shoebox, per manager
217	Automotive Rebuilder	1	117.0	Roll off	5.85			0.00	
218	Auto Insurance Agent	1	62.4	Roll off	3.12	Recycling	Cardboard	0.02	1.1 lbs each (small), USEPA
218						Reuse	Paper	0.03	5 lbs/ream, USEPA
219	Termite business	7	468.0	Roll off	23.40	Reuse	Paper	0.03	5 and 6.4 lbs/ream, USEPA
219						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
220	Beauty service	3	31.2	Roll off	1.56	Reuse	Cardboard	0.03	1.1 lbs each (small), USEPA
221	Machinery repair service	2	156.0	Roll off	7.80	Reuse	Cardboard	0.04	1.1 and 2.2 lbs each, USEPA
222	Carpentry installation	2	78.0	Roll off	3.90	Recycling	Alum. Cans	0.03	5.61 lbs/33 gallons, USEPA
223	Building contractor	40	39.0	Roll off	1.95	Recycling	Alum. Cans	0.00	1 case (24 cans)=0.89 lbs, USEPA
224	Rebuilding Computer	30	1560.0	Roll off	78.00			0.00	
225	Auto battery supplies	3	124.8	Roll off	6.24	Recycling	Alum. Cans	0.02	1 case (24 cans)=0.89 lbs, USEPA
226	Travel agent	2	35.1	Roll off	1.76	Reuse	Paper	0.02	5 lbs/ream, USEPA
227	Import	12	156.0	Roll off	7.80	Recycling	Tin cans	0.02	0.77 lbs/can (#10), USEPA
227						Reuse	Toner cartridge	0.01	2.5 lbs each, USEPA
228	Wood Kraft mfg.	2	156.0	Roll off	7.80	Reuse	Wood	0.02	35 lbs/yr, per manager
229	Tax Preparer	1	62.4	Roll off	3.12	Reuse	Paper	0.02	5 lbs/ream, USEPA
229						Reuse	Toner cartridge	0.00	2.5 lbs each, USEPA
230	Furniture wood mfg.	4	156.0	Roll off	7.80	Recycling	Alum. Cans	0.01	1 case (24 cans)=0.89 lbs, USEPA
231	Cellular phone retail store	1	35.1	Roll off	1.76	Reuse	Paper	0.01	5 lbs/ream, USEPA
232	Adult education center	30	561.6	Roll off	28.08			0.00	
233	Woodwork cabinet	6	52.0	Roll off	2.60			0.00	
234	Custom hand wood turning	4	312.0	Roll off	15.60			0.00	
235	Gas station	3	156.0	Roll off	7.80			0.00	
236	Donuts store	2	174.7	Roll off	8.74			0.00	
237	General auto shop	2	104.0	Roll off	5.20			0.00	
238	Transmission auto shop	2	83.2	Roll off	4.16			0.00	
	Totals	7,690	86,293		6,660			**3,771.04**	

*Based on 100 lbs/y3 density for roll offs and 450 lbs/yd3 density for compactors.