

**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 be connected to your OLA representative.

Mail completed documents to:

**California Integrated Waste Management Board  
Office of Local Assistance  
1001 I Street, 9th Floor  
PO Box 4025  
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.

Section I: Jurisdiction Information and Certification			
<i>All respondents must complete this section.</i>			
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 <b>City of Cupertino</b>		County <b>Santa Clara</b>	
Authorized Signature		Title	
Type/Print Name of Person Signing		Date	Phone ( )
Person Completing This Form (please print or type)		Title Principal	
Affiliation:	Environmental Planning Consultants		
Mailing Address	City	State	ZIP Code
E-mail address			

**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.*

<b>1. Current Board-approved existing base-year:</b>	<b>2. Proposed new generation-based study year:</b>
1990	1998

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

The information for this was Study was gathered and presented to the CIWMB in 1999. At that time 1998 was the most current year for which data was available.

**4. Enter your diversion rates below.**

<b>Diversion rate calculated using existing base year</b>	<b>a. 25 %</b>	<b>Diversion rate calculated using new generation-based study</b>	<b>b. 44 %</b>
<b>For existing base year pounds/person/day based on generation</b>	<b>8</b>	<b>For new generation based study pounds/person/day based on generation</b>	<b>9</b>
<b>Residential generation 32 %</b>	<b>Non-Residential generation 68 %</b>	<b>Residential generation 32 %</b>	<b>Non-Residential generation 68 %</b>
<b>Population existing generation-based study</b>	<b>39967</b>	<b>Population new generation-based study</b>	<b>46,700</b>

**5. If there is an increase between 4a and 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 calculated diversion rate increase is explained in the answer to Question 6. The pounds/person/day increased by about 30% during this period. Again there are several causes for this increase. Of the increase, 0.3 pounds per person perday is from the identification of waste prevention activities. Some of the increase relates to the identification of the self-hauled wastes that were not identified in the 1990 base, but are identified by the new disposal reporting system. It is assumed that the remainder relates to an overall increase in waste generation per capita throughout the US (especially as an increase in the amount of packaging).

**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 calculated diversion rate increased from 25 to 44 percent. The most important aspects of this increase are the expansion of the curbside recycling program, the implementation of a curbside yard waste collection program, the implementation of a commercial recycling program, and a better understanding of residential and non-residential waste prevention activities.

The yard waste collection program diverts 6.6% of the waste stream; the City sponsored garage sale and grasscycling have become major elements of the waste prevention program (identified waste prevention accounts for 9% of the overall diversion rate); and the City's commercial recycling program (now over 18% diversion) has expanded significantly in recent years.

<b>7. Disposal Tonnage: (enter values)</b>	10703	34868	45571
	<b>Residential</b>	<b>Non-Residential</b>	<b>Total</b>

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 <http://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 <http://www.ciwmb.ca.gov/lgcentral/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 back-up documentation, if requested.) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form 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 forms.

\* 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 substantiating your claim.**

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	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
Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm">http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm</a>							
<b>Residential Activities:</b>							
<b>Source Reduction</b>							
<b>Backyard composting</b>	9	363	371	0.5%	yard waste and food waste (kitchen scraps)	Survey of 310 Residents; 429 pounds per year pr HH; extrapolated to all residences	Calculations @ City Public Works Department
<b>Grasscycling</b>	7	287	294	0.4%	grass	350 pounds per 1000 sf. per year; CIWMB & City of Palo Alto	Calculations @ City Public Works Department
<b>Other residential source reduction (list each program separately)</b>							
<b>Donation of Used Household Items</b>	17	904	921	1.1%	miscellaneous household items	Survey of 310 Residents; 118 pounds per year pr HH; extrapolated to all residences	Calculations @ City Public Works Department
<b>Sale of Used Household Items</b>	1	75	76	0.1%	miscellaneous household items	Survey of 310 Residents; 95 pounds per sale; extrapolated to all residences	Calculations @ City Public Works Department
<b>Shopping Bag Reuse</b>	0	0			reusable bags replace paper bags	Survey of 310 Residents; 200 bags per year pr HH; extrapolated to all residences	Calculations @ City Public Works Department
<b>Junk Mail Reduction</b>	0	0			mixed paper	Survey of 310 Residents; 12 pounds per year pr HH; extrapolated to all residences	Calculations @ City Public Works Department
<b>Reusable Diaper</b>	57	0	57	0.1%	reusable diapers replace disposable diapers	Survey of Tiny Tot Diaper Service; 4.4 lbs. per diaper.	Calculations @ City Public Works Department

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	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
Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm">http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm</a>	(A)	(B)	(A+B)				
<b>Subtotal Res. Source Reduction</b>	<b>91</b>	<b>1628</b>	<b>1719</b>	<b>2.1%</b>			
<b>Recycling</b>							
<b>Curbside Recycling</b>					Newspaper, mixed paper, beverage containers, oil and oil filters, collected by LAGCo.	none	Report by Franchisee @ City Public Works Department (Adjusted to subtract out oil and oil filters.)
5496	N/A	5496	6.8%				
<b>Buyback centers</b>	2425	N/A	2425	3.0%	beverage containers	none	Report by DOC @ City Public Works Department
<b>Drop-off centers</b>		N/A					
<b>Other residential recycling (list each program separately)</b>							
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					
<b>Subtotal Residential Recycling</b>	<b>7921</b>		<b>7921</b>	<b>9.8%</b>			
<b>Composting</b>							
<b>Green waste drop-off</b>		N/A					
Curbside green waste	5936	N/A	5936	7.3%	yard waste	none	Report by Franchisee @ City Public Works Dept.
Christmas Tree program	in Curbside	N/A	In Curbside				[included in Curbside Green Waste tonnages]
<b>Other residential composting (list each program separately)</b>							
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					
<b>Subtotal Residential Composting</b>	<b>5936</b>		<b>5936</b>	<b>7.3%</b>			
<b>Subtotal Residential Diversion</b>	<b>13948</b>	<b>1628</b>	<b>15576</b>	<b>19.3%</b>			
<b>Non-Residential Activities:</b>							
<b>Source Reduction</b>							
Non-residential Waste Audits*	1330	4371	5701	7.0%	See Section 9	See Section 9	See Section 9
<b>Other non-residential source reduction (list each program separately)</b>							
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					

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material type(s)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm">http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm</a>	(A)	(B)	(A+B)	(A+B)/Total Generation	(List programs with multiple materials together)		
<b>Subtotal Non-Residential Source Reduction</b>	1330	4371	5701	7.0%			
<b>Recycling</b>							
Non-residential Waste Audits*	7828	4229	12057	14.9%	See Section 9	See Section 9	See Section 9
<b>Other non-residential recycling (list each program separately)</b>							
Los Altos Garbage Co. collection	1076	N/A	1076	1.3%	Cardboard, mixed paper, and beverage containers collected by LAGCo.	none	Report by Franchisee @ City Public Works Department
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
<b>Subtotal Non-Residential Recycling</b>	8904	4229	13133	16.2%			

Diversion Activity	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
Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmb.ca.gov/LGCentral/PARTS/Codes/Reduce.htm">http://www.ciwmb.ca.gov/LGCentral/PARTS/Codes/Reduce.htm</a>							
<b>Composting</b>							
Non-residential Waste Audits*	385		385	0.5%	See Section 9	See Section 9	See Section 9
<b>Other non-residential composting (list each program separately)</b>							
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					
<b>Subtotal Non-Residential Composting</b>	<b>385</b>	<b>0</b>	<b>385</b>	<b>0.5%</b>			
<b>Subtotal Non-Residential Diversion</b>	<b>10619</b>	<b>8600</b>	<b>19219</b>	<b>23.8%</b>			
<b>Residential/Non-residential Diversion Activities</b>							
<b>ADC</b>	517	N/A	517	0.6%	Greenwaste, C&D	none	CIWMB Disposal Reporting System
<b>Skudge</b>		N/A					
<b>Scrap metal</b>		N/A					
<b>Construction and demolition</b>		N/A					
<b>Landfill salvage</b>		N/A					
<b>Subtotal Residential/Non- Residential Diversion</b>	<b>517</b>		<b>517</b>	<b>0.6%</b>			
<b>Total Res/Non-Res Source Reduction Tons</b>	<b>1422</b>	<b>5998</b>	<b>7420</b>	<b>9.2%</b>			
<b>Total Diversion Tons</b>	<b>25085</b>	<b>10228</b>	<b>35312</b>	<b>44%</b>			
<b>Total Disposal Tons from Sec.7</b>	<b>45571</b>		<b>45571</b>	<b>56.3%</b>			
<b>Total Generation (Div+Dis)</b>	<b>70656</b>	<b>10228</b>	<b>80883</b>				
<b>Diversion Rate</b>				<b>44%</b>			

**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. Audit reference number ties to your audit sheets.

**(Form will perform all calculations).**

Include 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 form(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 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, 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 generator.
- 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-base extrapolation methods, please include conversion factor(s) for disposal and 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, etc.

Type of Non-residential Generator	Audit Reference Number	Specific Diversion Activities include 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 ____
City of Cupertino		Inerts recycling (1882.49 tons); grasscycling (1318 tons)		1318	1882	0	3200.75	4.0%	O & P
Computer Company	Big Co. 1	Recycling electronic scrap and office equipment (591.78 tons), recycling mixed paper (289.32) and cardboard (56.52 tons), plant wastes composted (88 tons), refill toner cartridges (32.04 tons) and donate materials (17.52 tons)		50	938	88	1075.18	1.3%	O & P
College	Big Co. 2	Confidential paper recycling, and used equipment donation; paper use reduction; composting; grasscycling of turf; diversion of C&D debris.		262	402	2	664.84	0.8%	O & P
Computer Company	Big Co. 3	Recycling mixed paper, cardboard, and toner cartridges, mulching wood wastes, grasscycling, and composting plant wastes		100	513	0	613.4	0.8%	O & P
Grocery Store	Food Store #3	Cardboard recycling; bone, fat and cooking oil recycling		0	529	0	528.97	0.7%	P
Utility	Big Co. 4	Compost tree trimmings		0	0	295	295	0.4%	O & P
Grocery Store	Food Store #5	Cardboard recycling; bone, fat and cooking oil recycling; food donations; damaged goods source reduction		34	205	0	238.39	0.3%	P
Retail	Big Retail #4	Recycling cardboard boxes and pallet recycling		0	206	0	205.88	0.3%	P
Retail	Big Retail #3	Cardboard recycling		0	158	0	157.5	0.2%	P

Grocery Store	Food Store #2	Cardboard Recycling; bone, fat and cooking oil recycling; donations							P
			27	103		130.59	0.2%		
<b>Totals</b>			<b>1791</b>	<b>4935</b>	<b>385</b>	<b>7111</b>	<b>8.8%</b>		

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)

Cardboard recycling: Big Co. #1 & #3, and Food Store #3 are actual weights verified by weight tickets. Food Store #2 - seven bales/week @ 400 lbs. Food Store #5 - seven bales/week @ 400 lbs. Big Retail #4 - 20 bales/week @ 350 lbs for 40 weeks and 30 bales/week for 12 weeks @ 350 lbs. Big Retail #3 - 35 bales/month @ 750 lbs.

Inerts Recycling: City: Asphalt - 978 tons verified by weight tickets. 845 cubic yards of cement @ 1855 lbs/cubic yard and 175 cubic yards of asphaltic concrete @ 1380 lbs/cubic yard verified by letters from contractors.

Grasscycling: City - 173 acres; Big Co. #2 - 17.85 acres; Big Co #3 - 12.5 acres @ 7.62 tons/acre/year.

Composting: Big Co. #1 - landscaper estimated weights between 2,200 and 4,600 lbs/week or approximately 3600 lbs/week. Big Co. #2 - 1.6 actual tons verified by college records. Big Co. #4 - 295 actual tons verified by forester.

Mixed Paper Recycling: Big Co. #1 - 289.32 tons verified by weight tickets. Big Co. #3 - 280.2 tons verified by weight tickets.

Metals Recycling: Big Co. #1 - 591.78 tons verified by weight tickets. Big Co. #3 - 31 tons verified by weight tickets.

Equipment sold or donated: Big Co. #1 - 17.52 tons verified by weight tickets. Big Co. #2 - 9.9 tons actual weight verified by college records.

Toner Cartridge Recycling: Big Co. #1 - 32.04 tons verified by weight tickets. Big Co. #3 - 3745 cartridges @ 2.51 lbs/cartridge.

C&D: Big Co. #2 - 400 tons verified by weight tickets.

Rendering: Big Co. #2 - 1.6 tons verified by weight tickets. Food Store #2 - two and one-half drums per week @ 410 lbs/drum. Food Store #3 - 750 lbs/week. Food Store #5 - Twelve-55 gallon drums/week @410 lbs/drum.

Cooking Oil Recycling: Food Store #2 - 50 gallons every other week @ 7.45 lbs/gallon. Food Store # 3 - 44 gallons/week @ 7.45 lbs/gallon and additional 12,000 gallons/year @ 7.45 lbs/gallon verified by weight tickets. Food Store #5 - 20 gallons/week @ 7.45 lbs/gallon.

Paper Use Reduction: Big Co. #2 - Verified by management that 1.7 million copies are double sided. College has purchasing records to support claim.

Pallet Recycling/Repair: Big Co. #2 - Management verified that 10% get repaired or recycled. Maintain records to support claim. Big Retail #4 - twelve pallets/month @ 40 lbs/pallet recycled.

Returned/Donated Food: Food Store #2 - Store management verified that 300 to 400 lbs/week damaged goods sent to salvage and 2,000 one and one-half lbs. loaves of bread per month donated to Senior Center. Food Store #5 - Per store management, 1,000 lbs/week of damaged goods returned & 10 baskets/week @ 30 lbs/basket get donated.

Cardboard recycling: Big Co. #1 & #3, and Food Store #3 are actual weights verified by weight tickets. Food Store #2 - seven bales/week @ 400 lbs. Food Store #5 - seven bales/week @ 400 lbs. Big Retail #4 - 20 bales/week @ 350 lbs for 40 weeks and 30 bales/week for 12 weeks @ 350 lbs. Big Retail #3 - 35 bales/month @ 750 lbs.

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;
- Outliers (specific generators which fall significantly above or below others) should be removed from base amount prior to extrapolation; and
  - Unusual outliers and exceptional anomalies should be described in detail.

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

**C. Describe extrapolation method including:**

- Basis of extrapolation;
- Why this extrapolation method is appropriate; and
- 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, for example diversion conducted by City Public Waste Dept.)

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids ▼	City contracts require contractors divert all inert materials from landfill	1995	1882
Scrap Metal ▼	Precious metal recycling by computer company	1996	31
Scrap Metal ▼	Metal recycling by computer company	1996	592
Pull Down for Waste Types ▼	C&D used as ADC	1998	513
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 11b, provide the following documentation: (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.

- 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.

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 ▼				

**Surveyed Diversion**

	Computer	Computer	College	Computer	Big Co.	Utility	Big Co.	Big Co.	Totals		
<b>Recycling</b>											
Cardboard	56.52			133.455					189.52		
Newspaper									0		
Mixed paper	289.32			280.2317	3.35				572.87		
Glass				0.44		0.45	29		29		
Aluminum	0.25	10.4					0.9		11.3		
Textiles						0.765			0		
Film									0		
Other	591.78	0.34	401.6	100.407			0.03		1093.75		
Organics (mulch)				0.124		0.38			0		
<b>TOTAL Recycling *</b>	937.62	962.62	10.74	401.6	513.2721	3.35	0.502	29.93	0	1896.44	
<b>Source Reduction</b>											
Paper use reduction				114.90						114.9	
Pallet reuse				.77						0.77	
Container reuse										0	
Food donation										0	
Grasscycling				136.07	135.8	95.5	131	14		245.57	
Equipment sold or donated	17.52	0.16	9.9		2.6					30.18	
Other Source Reduction **	32.04	57.6	0.164	4.7	5		0.2			36.94	
<b>TOTAL Source Reduction</b>	49.56	75.12	0.16	261.64	284.7	100.2	5	0.2	14	428.36	
<b>TOTAL Compost</b>	88	81.84		1.6	0	137		295.25	2564	0	384.85
<b>Diversion</b>	1,119.58	10.90	1,031.80	863.00	5.95	2,614.40	30.13	14.00		5,689.76	
	1,075		665	613		295				2709.65	

Ref. No.	Business Name	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
1	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		210.60		210.60
2	Landscaper	Recycling	Wood chips and mulch	450 pounds/cy; CIWMB conversion factor		193.05		193.05
3	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		131.63		131.63
4	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		365.04		365.04
5	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		4.21		4.21
6	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		1,946.88		1,946.88
7	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		-		0
8	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		491.40		491.40
9	Landscaper	Recycling	Wood chips and mulch	450 pounds/cy; CIWMB conversion factor		351.00		351.00
10	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		-		0
11	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		198.90		198.90
12	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		51.48		51.48
13	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		468.00		468.00
14	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		52.65		52.65
15	Landscaper	Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		2.34		2.34
16	Golf Course	Source reduction	Grass	7.62 tons/acre; CIWMB conversion factor	76.2			76.2
17	Golf Course	Source reduction	Grass	7.62 tons/acre; CIWMB conversion factor	228.6			228.6
		Recycling	Wood chips	450 pounds/cy; CIWMB conversion factor		11.25		11.25
	<b>Total</b>				304.80	4478.43		4783.23

Business Type	Address	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
Other Business		Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.02			0.02
Other Business		Less than .01 ton						0.00
Other Business		Source reduction	Store info on disks	.01 pound per page, CIWMB conversion factor	0.01			0.01
Other Business		Source reduction	Use voice mail and electronic mail		0.01			0.01
		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.01			0.01
		Source reduction	Reusable coffee mugs	.0417 pounds per cup, EPC	0.14			0.14
Other Business		Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.03			0.03
		Source reduction	Donate used equipment	330 pounds per year, company information	0.17			0.17
		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.02			0.02
		Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.02			0.02
Other Business		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.01			0.01
Other Business		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.02			0.02
		Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.07			0.07
Other Business		Recycling	Mixed paper	Actual tons based on company records		3.23		3.23
		Source reduction	Donate copier, camera	CIWMB conversion factors	0.02			0.02
Other Business		Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.02			0.02
Other Business		Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.54			0.54
		Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.16			0.16
Other Business		Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.47			0.47
Other Business		Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.06			0.06
		Source reduction	Donate used equipment	Actual tons based on company interview	0.47			0.47
		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.01			0.01
		Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.08			0.08
Other Business		Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.02			0.02
		Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.05			0.05
Other Business		Recycling	Mixed paper	15 pounds per 33 gallon bag, EPC		0.36		0.36
		Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.47			0.47
		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.09			0.09
		Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.33			0.33
Other Business		Less than .01 ton						0.00
Other Business		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.03			0.03
Other Business		Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.04			0.04
		Source reduction	Donate used equipment	Actual tons based on company interview	0.05			0.05

Other Business							
	Recycling	Mixed beverage containers	45 pounds mixed beverage containers per 32 gallons,		8.10		8.10
	Source reduction	Donates clothing	Actual tons based on church records	0.15			0.15
	Source reduction	Donate used equipment	Actual tons based on church interview	0.41			0.41
	Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.08			0.08
Other Business							
	Source reduction	Post notices on bulletin boards	.01 pound per page, CIWMB conversion factor	0.01			0.01
	Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.15			0.15
	Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.01			0.01
Other Business							
		Use back of page	.01 pound per page, CIWMB conversion factor	0.01			0.01
		Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.02			0.02
		Donate used equipment	Actual tons based on church interview	3.00			3.00
Other Business							
	Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.18			0.18
	Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.05			0.05
Other Business							
	Source reduction	Post notices on bulletin boards	.01 pound per page, CIWMB conversion factor	0.01			0.01
	Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.03			0.03
Other Business							
		Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.05			0.05
		Reusable coffee mugs	.042 pounds per cup, EPC	0.03			0.03
Other Business							
		Less than .01 ton					0.00
Other Business							
	Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.06			0.06
	Source reduction	Sell used equipment	Actual tons based on company interview	0.02			0.02
	Source reduction	Donate used equipment	Actual tons based on company interview	0.08			0.08
Other Business							
	Source reduction	Use voice mail	.01 pound per page, CIWMB conversion factor	0.98			0.98
	Source reduction	Donate used equipment	Actual tons based on company interview	0.90			0.90
Other Business							
	Source reduction	Donate used equipment	Actual tons based on company records	0.13			0.13
Other Business							
	Source reduction	Order electronically	.01 pound per page, CIWMB conversion factor	0.02			0.02
	Source reduction	Eliminate unnecessary forms	.01 pound per page, CIWMB conversion factor	0.12			0.12
	Source reduction	Post notices on bulletin boards	.01 pound per page, CIWMB conversion factor	0.24			0.24
	Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.27			0.27
	Source reduction	Sell old linens	Actual tons based on company records	1.07			1.07
	Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.12			0.12
Other Business							
	Source reduction	Donate used equipment	Actual tons based on company interview	0.03			0.03
Other Business							
		Less than .01 ton					0.00
Other Business							
		No tonnage identified					0.00
Other Business							
		No tonnage identified					0.00
Other Business							
	Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.04			0.04
	Source reduction	Donate clothing and canned goods	Actual tons based on church records	0.20			0.20
	Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.06			0.06
Other Business							
	Source reduction	Donate used equipment	Actual tons based on company records	0.10			0.10

Other Business				Actual tons based on company records			
	Source reduction	Donate clothing and canned goods	10 pounds per box, EPC	4.68			4.68
	Source reduction	Post notices on bulletin boards	.01 pound per page, CIWMB conversion factor	0.02			0.02
	Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.06			0.06
	Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.03			0.03
<b>Other Business</b>							
	Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.36			0.36
	Source reduction	Donate table, chairs	CIWMB conversion factors	0.09			0.09
<b>Other Business</b>							
	No tonnage identified						0.00
<b>Other Business</b>							
	Source reduction	Donate clothing	Actual tons based on church records	4.50			4.50
	Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.12			0.12
	Source reduction	Donate pews	200 pounds per pew, EPC	0.20			0.20
<b>Other Business</b>							
	Source reduction	Reusable coffee mugs	.042 pounds per cup, EPC	0.02			0.02
<b>Other Business</b>							
	Less than .01 ton						0.00
<b>Other Business</b>							
	Source reduction	Donate used equipment	Actual tons based on company interview	0.03			0.03
	Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.03			0.03
<b>Total</b>				<b>21.95</b>	<b>11.69</b>	<b>0</b>	<b>33.63 <del>53.63</del></b>

Ref. No.	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
1	School	Source reduction	Reusable coffee mugs	.0417 pounds per cup, EPC	0.43			0.43
2	School	Source reduction	Reusable coffee mugs	.0417 pounds per cup, EPC	0.33			0.33
3	School	Source reduction	Order electronically	.01 pounds per page, CIWMB conversion factor	0.08			0.08
		Source reduction	Use back side of the page	.01 pounds per page, CIWMB conversion factor	0.02			0.02
4	School	Source reduction	Use voice mail and electronic mail	.01 pounds per page, CIWMB conversion factor	0.22			0.22
		Source reduction	Use reusable coffee mugs	.0417 pounds per cup, EPC	0.13			0.13
5	School	Source reduction	Post notices	.01 pounds per page, CIWMB conversion factor	0.002			0.002
		Source reduction	Use voice mail and electronic mail	.01 pounds per page, CIWMB conversion factor	0.14			0.14
6	School	No tonnage identified						
7	School	Recycling	Aluminum cans	Actual tons based on school records		0.50		0.50
		Source reduction	Order electronically	.01 pound per page, CIWMB conversion factor	0.01			0.01
		Source reduction	Plastic bags avoided	.77 pound per 100 bags, CIWMB conversion factor	0.001			0.001
		Source reduction	Use back side of the page	.01 pound per page, CIWMB conversion factor	2.20			2.20
		Source reduction	Eliminate unnecessary forms	.01 pound per page, CIWMB conversion factor	0.003			0.003
		Source reduction	Review same draft	.01 pound per page, CIWMB conversion factor	0.0003			0.0003
		Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.05			0.05
		Source reduction	Voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.02			0.02
		Source reduction	Central filing system	.01 pound per page, CIWMB conversion-factor	0.03			0.03
		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.06			0.06
		Source reduction	Reusable coffee mugs	.0417 pounds per cup, EPC	0.10			0.10
		Source reduction	Slow growing plants	100 pounds per 750 square fee, EPC	0.73			0.73
8	School	Source reduction	Voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.23			0.23
		Source reduction	Central filing system	.01 pound per page, CIWMB conversion factor	0.003			0.003
		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.01			0.01
		Source reduction	Reusable coffee mugs	.0417 pounds per cup, EPC	0.33			0.33
9	School	Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.12			0.12
		Source reduction	Reusable coffee mugs	.0417 pounds per cup, EPC	0.16			0.16
10	School	Source reduction	Use back of page	.01 pound per page, CIWMB conversion factor	0.01			0.01
		Source reduction	Use voice mail and electronic mail	.01 pound per page, CIWMB conversion factor	0.04			0.04
		Source reduction	Store information on disks	.01 pound per page, CIWMB conversion factor	0.11			0.11
		Source reduction	Reusable coffee mugs	.0417 pounds per cup, EPC	0.22			0.22
11	School	Source reduction	Central filing system	.01 pound per page, CIWMB conversion factor	3.60			3.60
12	School	No tonnage identified						
<b>Total</b>					<b>9.35</b>	<b>0.50</b>	<b>0</b>	<b>9.85</b>

Ref. No.	Business Type	Address	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
1	Finance, insurance, real estate		Recycling	Cardboard	2.5 pounds per box, mixed sizes, CIWMB		0.30		0.30
			Source reduction	Use voice mail	.01 pound per page, CIWMB conversion factor	0.02			0.02
			Source reduction	Central filing system	.01 pound per page, CIWMB conversion factor	0.05			0.05
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.04			0.04
2	Finance, insurance, real estate	#B	Source reduction	Use back side of the page	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.04			0.04
3	Finance, insurance, real estate	21060 HOMESTEAD ROAD	No tonnage identified						0.00
4	Finance, insurance, real estate		Source reduction	Use back side of page	.01 pound per page, CIWMB conversion factor	0.02			0.02
			Source reduction	Use voice mail	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion factor	0.02			0.02
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.01			0.01
5	Finance, insurance, real estate	10950 BLANEY AVE NORTH	Less than .01 ton						0.00
6	Finance, insurance, real estate	#B	Less than .01 ton						0.00
7	Finance, insurance, real estate		Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.05		0.05
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.01			0.01
8	Finance, insurance, real estate	19956 HOMESTEAD ROAD	Recycling	Cardboard	2.5 pounds per box, mixed sizes, CIWMB		0.30		0.30
			Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.05		0.05
			Source reduction	Use back side of page	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Eliminate forms	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Store info on disks	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.03			0.03
9	Finance, insurance, real estate	20282 NORTHCOVE SQUARE	Less than .01 ton						0.00
10	Finance, insurance, real estate	21710 STEVENS CREEK BLVD	Less than .01 ton						0.00
11	Finance, insurance, real estate	10381 DE ANZA BLVD SOUTH	Source reduction	Donate typewriters, microwave oven	CIWMB conversion factors	0.05			0.05
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.01			0.01
12	Finance, insurance, real estate		No tonnage identified						0.00
13	Finance, insurance, real estate	19220 STEVENS CREEK BLVD	Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.05		0.05
			Source reduction	Use voice mail	.01 pound per page, CIWMB conversion factor	0.30			0.30
			Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion factor	0.03			0.03
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.01			0.01
14	Finance, insurance, real estate		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion factor	0.01			0.01
15	Finance, insurance, real estate		Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.05		0.05
			Source reduction	Use voice mail	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Donate copy machine, file cabinet,	CIWMB conversion factors	0.22			0.22
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.01			0.01
16	Finance, insurance, real estate		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion factor	0.01			0.01

Ref. No.	Business Type	Address	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
17	Finance, insurance, real estate		Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.05		0.05
			Source reduction	Use back side of page	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Use voice mail	.01 pound per page, CIWMB conversion factor	0.06			0.06
			Source reduction	Store info on disk	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Donate desk, monitor, printer	CIWMB conversion factors	0.10			0.10
18	Finance, insurance, real estate		Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.05		0.05
			Source reduction	Document electronically	.01 pound per page, CIWMB conversion factor	0.05			0.05
			Source reduction	Use back side of page	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Review same draft	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.02			0.02
19	Finance, insurance, real estate		Recycling	Cardboard	2.5 pounds per box, mixed sizes, CIWMB		0.30		0.30
			Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.05		0.05
			Source reduction	Donate copier, computer	CIWMB conversion factors	0.05			0.05
20	Finance, insurance, real estate	20556 SCOFIELD DR.	Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.01			0.01
21	Finance, insurance, real estate		Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.05		0.05
			Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Use voice mail	.01 pound per page, CIWMB conversion factor	0.11			0.11
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.15			0.15
22	Finance, insurance, real estate	20563 STEVENS CREEK BLVD	Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.19		0.19
23	Finance, insurance, real estate	19376 STEVENS CREEK BLVD	No tonnage identified						0.00
24	Finance, insurance, real estate	10480 DE ANZA BLVD SOUTH	Recycling	Cardboard	2.5 pounds per box, mixed sizes, CIWMB		0.60		0.60
			Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.69		0.69
			Source reduction	Document electronically	.01 pound per page, CIWMB conversion factor	0.36			0.36
			Source reduction	Use back side of page	.01 pound per page, CIWMB conversion factor	0.02			0.02
			Source reduction	Use voice mail	.01 pound per page, CIWMB conversion factor	0.18			0.18
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.07			0.07
25	Finance, insurance, real estate	19855 STEVENS CREEK BLVD	Source reduction	Use back side of page	.01 pound per page, CIWMB conversion factor	0.01			0.01
26	Finance, insurance, real estate	20725 VALLEY GREEN DR.	Source reduction	Use voice mail	.01 pound per page, CIWMB conversion factor	0.08			0.08
			Source reduction	Reusable coffee mugs	.0417 pound per cup, EPC	0.05			0.05
<b>Total</b>						<b>2.29</b>	<b>2.82</b>	<b>0</b>	<b>5.10</b>

Ref. No.	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
1	Grocery Store	No tonnage identified						0.00
2	Grocery Store	Recycling	Cardboard, bone, fat, oil	Actual tons based on company records		103.49	216.00	103.49 216.00
		Source reduction	Donates food/damaged goods	Actual tons based on company records	27.10	18.00		27.10 18.00
3	Grocery Store	Recycling	Cardboard, oil, bone, fat	Actual tons based on company records		528.97	456.25	528.97 456.25
4	Grocery Store	Recycling	Cardboard	Actual tons based on company records		147.00		147.00
		Source reduction	Donates food	Actual tons based on company records	11.70			11.70
5	Grocery Store	Recycling	Cardboard, oil	Actual tons based on company records		76.67	360	76.67 360
		Source reduction	Double sided copies	.01 pounds per page, CIWMB conversion factor	0 -0.04			0 0.04
		Source reduction	Route documents	.01 pounds per page, CIWMB conversion factor	0 -0.21			0 0.21
		Source reduction	Post notices	.01 pounds per page, CIWMB conversion factor	0 -0.12			0 0.12
		Source reduction	Donations, damaged goods	Actual tons based on company records	161.72	4.3		161.72 4.30
		Source reduction	Pallets reused	Actual tons based on company records	0 -7.74			0 7.74
6	Grocery Store	Recycling	Cardboard	Actual tons based on company records		117.00		117.00
		Source reduction	Pallets reused	Actual tons based on company records	12.00			12.00
7	Grocery Store	Recycling	Cardboard	Actual tons based on company records		168.00		168.00
8	Grocery Store	Source reduction	Reusable containers	Actual tons based on company records	2.88			2.88
9	Grocery Store	No tonnage identified						0.00
10	Grocery Store	Recycling	Plastic	Actual tons based on company records		0.90		0.90
		Source reduction	Donates food	Actual tons based on company records	1.50			1.50
		Source reduction	Reusable containers	Actual tons based on company records	0.36			0.36
		Source reduction	Pallet reuse	Actual tons based on company records	36.00			36.00
11	Grocery Store	Recycling	Cardboard	Actual tons based on company records		0.40		0.40
12	Grocery Store	Source reduction	Post notices	.01 pounds per page, CIWMB conversion factor	0.02			0.02
		Source reduction	Donate equipment	Actual tons based on company records	0.08			0.08
		Source reduction	Donate food	200 pounds per month, company data	1.20			1.20
		Source reduction	Reuse materials	Actual tons based on company records	0.12			0.12
		Source reduction	Pallet reuse	Actual tons based on company records	96.00			96.00
<b>Totals</b>					<b>350.68</b>	<b>1142.43</b>		<b>1493.10 967.56</b>

Ref. No.	Business Type	Address	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
1	Restaurant	20807 STEVENS CREEK BLVD	Recycling	Newspaper	Actual tonnage based on company records		0.38		0.38
			Recycling	Glass	Actual tonnage based on company records		5.40		5.40
			Source reduction	Uniforms, napkins, and tablecloths	Actual tonnage based on company records	4.80			4.80
2	Restaurant	21265 STEVENS CREEK BLVD	Recycling	Cardboard	Actual tonnage based on company records		0.06		0.06
			Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.14			0.14
3	Restaurant	20630 VALLEY GREEN DR	No tonnage identified						0.00
4	Restaurant	19652 STEVENS CREEK	Source reduction	Donate used containers	Actual tonnage based on company records	0.01			0.01
5	Restaurant	20128 STEVENS CREEK BLVD	No tonnage identified						0.00
6	Restaurant	10100 DE ANZA BLVD SOUTH	Less than .01 ton						0.00
7	Restaurant	20803 STEVENS CREEK BLVD	Less than .01 ton						0.00
8	Restaurant	10123 N. WOLFE ROAD	No tonnage identified						0.00
9	Restaurant	20680 HOMESTEAD ROAD	Less than .01 ton						0.00
10	Restaurant	10630 DE ANZA BLVD SOUTH	Source reduction	Store info on disks	.01 pound per page, CIWMB conversion factor	0.02			0.02
11	Restaurant	20060 STEVENS CREEK BLVD	No tonnage identified						0.00
12	Restaurant	20010 STEVENS CREEK BLVD	No tonnage identified						0.00
13	Restaurant	20950 STEVENS CREEK BLVD	Source reduction	Eliminate unnecessary forms	.01 pound per page, CIWMB conversion factor	0.01			0.01
14	Restaurant	19999 STEVENS CREEK BLVD	No tonnage identified						0.00
15	Restaurant	10330 WOLFE ROAD	No tonnage identified						0.00
16	Restaurant	10275 DE ANZA BLVD SOUTH	No tonnage identified						0.00
17	Restaurant	20640 STEVENS CREEK BLVD	Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Freezer sent for repair	Actual tonnage based on company records	0.41			0.41
18	Restaurant	21678 STEVENS CREEK ROAD	No tonnage identified						0.00
19	Restaurant	20041 BOLLINGER ROAD	No tonnage identified						0.00
20	Restaurant	1451 SARATOGA-SUNNYVALE	Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.01			0.01
21	Restaurant	20750 STEVENS CREEK BLVD	Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Donate leftover food	100 pounds per month, company records	0.60			0.60
22	Restaurant	20770 STEVENS CREEK BLVD	Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Donate leftover food	60 pounds per month, based on company records	0.36			0.36
23	Restaurant	10690 DE ANZA BLVD NORTH	Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.03			0.03
24	Restaurant	10745 DE ANZA BLVD NORTH	Source reduction	Eliminate unnecessary forms	.01 pound per page, CIWMB conversion factor	0.01			0.01
25	Restaurant	10343 WOLFE ROAD	No tonnage identified						0.00
26	Restaurant	10710 DE ANZA BLVD SOUTH	Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.01			0.01
	<b>Total</b>					6.45	5.84	0	12.28

Ref. No.	Store name	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
<b>1 Big Retail</b>								
		Source Recuction	Eliminate paper use	Actual tonnage based on company interview	0.462			0.462
		Source Recuction	Return damaged goods	Actual tonnage based on company interview	11.1			11.1
		Source Recuction	Reuse equipment	Actual tonnage based on company interview	2.0			2
		Source Recuction	Pallet Reuse	Actual tonnage based on company interview	3.8			3.84
		Recycling	Cardboard	Actual tonnage based on company interview		43.2		43.2
<b>2 Big Retail</b>								
		Source Recuction	Return damaged goods	Actual tonnage based on company interview	2.25			2.25
		Source Recuction	Reuse equipment	Actual tonnage based on company interview	0.675			0.675
		Source Recuction	Pallet Reuse	Actual tonnage based on company interview	12			12
		Recycling	Cardboard	Actual tonnage based on company interview		50.16		50.16
		Recycling	mixed paper	Actual tonnage based on company interview		0.84		0.84
<b>3 Big Retail</b>								
		Recycling	Cardboard	Actual tonnage based on company interview		157.5 234		157.5 234
		Source Recuction	Reuse boxes	Actual tonnage based on company interview	5.28			0 5.28
<b>4 Big Retail</b>								
		Source Recuction	Pallet Reuse	Actual tonnage based on company interview	312.0			0 312
		Source Recuction	Reuse packing materials	Actual tonnage based on company interview	2.6			0 2.6
		Recycling	Cardboard	Actual tonnage based on company interview		203 366		203 366
		Recycling	beverage containers	Actual tonnage based on company interview		0 .09		0 0.9
		Recycling	wood	Actual tonnage based on company interview		2.88		2.88
	Recycling				32.30	457.58	0.00	489.91 1050.19

Ref. No.	Business Type	Address	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
1	Retail		Recycling	Cardboard	2.2 pounds per box, CIWMB conversion factor		2.86		2.86
			Source reduction	Reuse shipping containers	2.2 pounds per box, CIWMB conversion factor	2.64			2.64
2	Retail		No tonnage identified						0.00
3	Retail		Less than .01 ton						0.00
4	Retail		Source reduction	Reuse boxes	2.2 pounds per box, CIWMB conversion factor	0.08			0.08
			Source reduction	Donate equipment	Actual tons based on company interview	0.01			0.01
5	Retail		Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.03			0.03
			Source reduction	Donate cash register	50 pounds per cash register, CIWMB conversion	0.03			0.03
			Source reduction	Reuse polystyrene peanuts	10 pounds peanuts per week, per company interview	0.26			0.26
6	Retail		No tonnage identified						0.00
7	Retail		Source reduction	Make fewer copies	1.25 pounds per week, company data	0.03			0.03
			Source reduction	Reuse pallets	40 pounds per pallet, CIWMB conversion factor	1.04			1.04
8	Retail		Source reduction	Store info on disks	.01 pound per page, CIWMB conversion factor	0.02			0.02
9	Retail		No tonnage identified						0.00
10	Retail		Recycling	Cardboard	450 pounds per bale, company records		54.90		54.90
			Recycling	Mixed paper	8 pounds shredded paper per 33 gallons, CIWMB		0.09		0.09
			Recycling	Photographic film	Actual tonnage based on company records		0.01		0.01
			Recycling	Polystyrene peanuts	6.27 pounds per 33 gallon bag, CIWMB		0.07		0.07
			Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.07			0.07
			Source reduction	Store info on disks	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Reusable containers	2.2 pounds per box, CIWMB conversion factor	28.60			28.60
			Source reduction	Reuse boxes	2.2 pounds per box, CIWMB conversion factor	0.92			0.92
			Source reduction	Reuse pallets	40 pounds per pallet, CIWMB conversion factor	52.80			52.80
			Source reduction	Returns damaged goods	Actual tonnage based on company records	7.20			7.20
11	Retail		Recycling	Aluminum cans	Actual tonnage based on company records		0.10		0.10
			Source reduction	Sell or donate used equipment	Actual tonnage based on company records	0.75			0.75
			Source reduction	Reuse pallets	40 pounds per pallet, CIWMB conversion factor	28.80			28.80
			Source reduction	Reusable containers	2.2 pounds per box, CIWMB conversion factor	1.32			1.32
			Source reduction	Damaged goods returned to vendor	Actual tonnage based on company records	0.78			0.78
12	Retail		Recycling	Cardboard	900 pounds per bale, per company records		75.60		75.60
13	Retail		Less than .01 ton						0.00
14	Retail		Source reduction	Reuse pallets	40 pounds per pallet, CIWMB conversion factor	19.20			19.20
15	Retail		Source reduction	Reusable coffee mugs	.0417 pounds per cup, EPC	0.03			0.03
			Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.03			0.03
			Source reduction	Reuse boxes	2.2 pounds per box, CIWMB conversion factor	1.58			1.58
			Source reduction	Reusable containers	2.2 pounds per box, CIWMB conversion factor	1.06			1.06

Ref. No.	Business Type	Address	Diversion Activity	Material Type	Conversion Factor and Source	Source Reduction Tons	Recycling Tons	Compost Tons	Total Tons
16	Retail		Source reduction	Make fewer copies	.01 pound per page, CIWMB conversion factor	0.02			0.02
			Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.02			0.02
			Source reduction	Reuse boxes	2.2 pounds per box, CIWMB conversion factor	0.37			0.37
17	Retail		Recycling	Cardboard	Actual tonnage based on company interview		5.20		5.20
			Source reduction	Double sided copies	.01 pound per page, CIWMB conversion factor	0.02			0.02
18	Retail		No tonnage identified						0.00
19	Retail		Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.02			0.02
20	Retail		Source reduction	Post notices on bulletin boards	.01 pound per page, CIWMB conversion factor	0.01			0.01
21	Retail		Recycling	Other plastic	Actual tonnage based on company records		1.20		1.20
			Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB conversion	0.02			0.02
			Source reduction	Reusable containers	2.2 pounds per box, CIWMB conversion factor	0.26			0.26
			Source reduction	Reuse pallets	40 pounds per pallet, CIWMB conversion factor	0.96			0.96
22	Retail		Source reduction	Order electronically	.01 pound per page, CIWMB conversion factor	0.03			0.03
			Source reduction	Reusable boxes	2.2 pounds per box, CIWMB conversion factor	2.64			2.64
23	Retail		Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.03			0.03
24	Retail		Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Reuse containers	2.2 pounds per box, CIWMB conversion factor	0.11			0.11
25	Retail		Source reduction	Reuse boxes	2.2 pounds per box, CIWMB conversion factor	1.43			1.43
			Source reduction	Reuse pallets	40 pounds per pallet, CIWMB conversion factor	5.20			5.20
			Source reduction	Reusable containers	2.2 pounds per box, CIWMB conversion factor	1.72			1.72
26	Retail		Less than .01 ton						0.00
27	Retail		Source reduction	Reusable coffee mugs	.0417 pounds per cup, EPC	0.05			0.05
			Source reduction	Reuse boxes	2.2 pounds per box, CIWMB conversion factor	0.45			0.45
28	Retail		No tonnage identified						0.00
29	Retail		Recycling	Cardboard	Actual tonnage based on company records		12.00		12.00
			Source reduction	Order electronically	.01 pound per page, CIWMB conversion factor	0.01			0.01
			Source reduction	Post notices	.01 pound per page, CIWMB conversion factor	0.03			0.03
			Source reduction	Send toner cartridges for refilling	2.5 pounds per toner cartridge, CIWMB	0.05			0.05
			Source reduction	Reusable containers	2.2 pounds per box, CIWMB conversion factor	10.56			10.56
30	Retail		Source reduction	Reuse boxes	2.2 pounds per box, CIWMB conversion factor	0.69			0.69
			Source reduction	Reuse pallets	40 pounds per pallet, CIWMB conversion factor	2.08			2.08
31	Retail		Source reduction	Reuse boxes	2.2 pounds per box, CIWMB conversion factor	0.11			0.11
32	Retail		Less than .01 ton						0.00
33	Retail		No tonnage identified						0.00
	<b>Total</b>					<b>174.17</b>	<b>152.04</b>	<b>0</b>	<b>326.20</b>

**Residential Waste Prevention Activity Calculations**

Extrapolated Tons	Surveyed Tons		Source
		<b>1 Household Item Donation</b>	
	36580	118.00 Pounds per household	Survey
		94.2% Percent of households participating	Survey
	18.29	17,069 Number of households	
		16,079 Participating households	
931.43	17.23	<b>921 — 948.66</b> Tons per year	
		<b>2 Household Garage Sales</b>	
	29450	95.00 Pounds per household	CIWMB
		9.4% Percent of households participating	Survey
	14.725	17,069 Number of households	
		1,604 Participating households	
74.83	1.38	<b>76.21</b> Tons per year	
		<b>3 Shopping Bag Reuse</b>	
	62000	200 Bags per household per year	Survey
		18% Percent of households participating	Survey
	31	17,069 Number of households	
		3,072 Participating households	
32.83	5.58	<b>0 — 38.41</b> Tons per year	
		<b>4 Junk Mail Reduction Program</b>	
	3720	12 Pounds per household per year	Survey
		25% Percent of households participating	Survey
	1.86	17,069 Number of households	
		4,267 Participating households	
25.14	0.47	<b>0 — 25.60</b> Tons per year	
		<b>5 Washable Diaper Use</b>	
		260,000 Diapers per year	Survey
		0.44 Pounds per diaper	Survey
57.20		<b>57.20</b> Tons per year	
		<b>6 On-Site Composting</b>	
	132912.5	429 Pounds per household	Survey
		13% Percent of households participating	Survey
	66.45625	13,315 Number of households	
		1,758 Participating households	
368.01	8.77	<b>371.29 — 376.78</b> Tons per year	
		<b>7 Grasscycling</b>	
	81375	262.5 Pounds per household (750 sq.ft.; 25' x 30')	CIWMB
		16.8% Percent of households participating	Survey
	40.6875	13,315 Number of households	
		2,237 Participating households	
286.76	6.84	<b>293.60</b> Tons per year	
		<b>1719.3 — 1,816.46</b> Tons of Residential Source Reduction	561.57
			76.21
			2,301.82
			485.36

**City Waste Prevention Activity Calculations**

**1 City Employee Paper Use Reduction**

3.5 pounds per employee per week EPA  
 52 weeks per year  
 182 pounds per employee per year  
 3,000 total employees Survey  
 10% percent reduction in paper use Survey  
 546,000 total pounds per year  
 273 tons per year purchased  
 27.30 tons per year; 10% reduction

**2 Public Works Inerts Diversion**

1712 Cubic yards of inerts Survey  
 2,200 Pounds per cubic yard CIWMB  
 3,766,400 Total pounds  
 1882.49 — 1,883 Tons diverted

**3 Grasscycling at City Parks**

7.62 Tons per acre CIWMB  
 124 Acres of grasscycling Survey  
 944.9 Tons diverted  
 944.9

**4 Grasscycling at Cupertino High Schools**

7.62 Tons per acre CIWMB  
 35 Acres of grasscycling Survey  
 266.7 Tons diverted  
 266.7

**5 Grasscycling at other Cupertino Schools**

7.62 Tons per acre CIWMB  
 14 Acres of grasscycling Survey  
 106.7 Tons diverted  
 106.7

1,318  
~~1,318~~ Tons of Grasscycling  
~~1,883~~ Tons of City Recycling  
~~0-27~~ Tons of City Source Reduction  
~~3,201~~ Total City Tons  
 3200.75