

**Base Year Modification Request Certification**

**Part 1: Generation Study - No Extrapolation 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

Mail completed documents to:

**California Integrated Waste Management Board  
Office of Local Assistance  
1001 I Street, (MS-25)  
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 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 Concord		County Contra Costa	
Authorized Signature <i>Peter Dragovich</i>		Title Director of City Management	
Type/Print Name of Person Signing Peter Dragovich	Date	Phone ( ) Include Area Code (925)-671-3085	
Person Completing This Form (please print or type) Jeremy M. Hardesty		Title Project Manager	
Affiliation: Pacific Waste Consulting Group			
Mailing Address 8801 Folsom Blvd Suite 105	City Sacramento	State California	ZIP Code 95826
E-Mail Address <a href="mailto:jeremy@pwcg.net">jeremy@pwcg.net</a>			

**Section II: Information for New Generation-Based Study for Existing or New Base Year**

**Attach additional sheets if necessary—reference each response to the appropriate cell number**

*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>
<b>2000</b>	<b>2002</b>

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

The sources of diversion questioned to obtain the data for this study indicated that they have diverted, on average, the amount of material we have reported. That question was explicitly asked of each firm we called to survey and each that we visited to audit.

Disposal is believed to be representative as it is consistent with the amount of disposal we have had in other years, except 2000, when disposal was depressed.

**4. Enter diversion rate information below.**

<b>Diversion rate calculated using existing base year</b>	<b>a. 31 %</b>	<b>Diversion rate calculated using new generation-based study</b>	<b>b. 47 %</b>
<b>For existing base year pounds/person/day based on generation</b>	<b>9</b>	<b>For new generation based study pounds/person/day based on generation</b>	<b>11</b>
<b>Residential 25 % generation 75 %</b>		<b>Residential 25 % generation 75 %</b>	
<b>Population existing generation-based</b>	<b>121,872</b>	<b>Population new generation-based study</b>	<b>124,600</b>

**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 any examples (e.g. change in jurisdiction's demographics)**

The per capita generation rate is within the range of the expected value for this measure. The increase in per capita generation is due primarily to the increased amount of disposal over the 2000 value, which we believed was depressed.

**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)**

The increase in diversion rate is due to our team gathering more information from a larger number of firms than was done in the prior Base-Year study. In addition, the results of the study done for the 2000 Base-Year were used to make gathering data more effective for this study. Using the results of the 2000 effort, more sources were audited and a larger amount of diversion was identified at many of them.

<b>7. Disposal Tonnage (enter values):</b>	37212	96245	133467
	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 Request and Modification Certification sheet found at [www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc](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 [www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc](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, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

\*Please provide detailed Non-Residential waste 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	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	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 <a href="http://www.ciwmb.ca.gov/LGCentral/Pan/s/Codes/Reduce.htm">www.ciwmb.ca.gov/LGCentral/Pan/s/Codes/Reduce.htm</a>					
<b>Residential Source Reduction Activities</b>					
Backyard composting	3018	1.2%	Yard waste	Annual study done in Concord found that 22.1 percent of the households participate in backyard composting. 22.1 percent of Concord's 45,521 households comes out to 10,060 bins. 600 pounds of composted material per year per bin	2003 City of Concord Citizen Survey, performed in February 2003.
Grasacycling		0.0%			
<b>Other Residential Source Reduction (list each program separately)</b>					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
<b>Subtotal, Residential Source Reduction</b>	<b>3018</b>	<b>1.2%</b>			
<b>Residential Recycling Activities</b>					
Curbside Recycling	7495	2.9%	Newspaper, glass, aluminum, plastic	Actual tonnages	Concord Disposal Service reports
Buyback Centers	3232	1.3%	Newspaper, glass, aluminum, plastic, cardboard, mixed ledger	Actual tonnages	Concord Disposal Service reports
Drop-off Centers	1133	0.4%	Newspaper, glass, aluminum, plastic, cardboard, mixed ledger	Actual tonnages	Concord Disposal Service reports

Other Residential Recycling (list each program separately)					
CRV Collection	1583	0.6%	Aluminum, glass, plastic	Actual tonnages	DOR report
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal, Residential Recycling</b>	<b>13442</b>	<b>5.3%</b>			
Residential Composting Activities					
Green Waste Drop-off					
Curbside Green Waste	5518	2.2%	Green waste	Actual tonnages	Concord Disposal Service reports
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal, Residential Composting</b>	<b>5518</b>	<b>2.2%</b>			
<b>Subtotal, Residential Diversion</b>	<b>21978</b>	<b>8.6%</b>			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	3860	1.5%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
City Grasscycling	3030	1.2%	Grass clippings from city parks and golf course	397.5 acres=17,315,100 square feet. 350 lbs per 1000 sq. ft. CIWMB	Acreage confirmed by City Parks Dept.
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal, Non-Residential Source Reduction</b>	<b>6890</b>	<b>2.7%</b>			
Recycling					
Non-Residential Waste Audits*	9039	3.6%	See Section 9	See Section 9	See Section 9

Other Non-Residential Recycling (list each program separately)					
Commercial Recycling Collection	2930	1.2%	Newspaper, glass, aluminum, plastic	Actual tonnages	Concord Disposal Service reports
Tire Collection	7	0.0%	Tires recycled from the City's Maintenance Dept.	20 lbs/car tire and 40 lbs/truck tire	Verified by City Maintenance Dept.
Transfer Station Floor Sort	3011	1.2%	Metal, cardboard, concrete, tires (32.55 total tons, 16.275 counted: Golden By-products-50% Recycled), carpet padding, CRT's	Actual tonnages	Concord Disposal Service reports
Quarry	40300	15.9%	Concrete and asphalt	Actual tonnages	Quarry estimate based on percentage allocation of jobs originating in Concord.
Tire Recyclers	735	0.3%	Tires recycled from businesses	20 lbs/car tire and 40 lbs/truck tire	Hauler surveys
Grease/Tallow Recyclers	714	0.3%	Trap grease, tallow and used cooking oil	Actual tonnages	Hauler surveys
Other Recyclers	6371	2.5%	Paper, metal, green waste, dry wall, concrete, asphalt, cardboard	See Conversion Factor list	Hauler surveys
<b>Subtotal Non-Residential Recycling</b>	<b>63108</b>	<b>24.8%</b>			
Non-Residential Composting Activities					
Non-Residential Waste Audits*	2171	0.9%	See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
Street Sweeping Debris	8622	3.4%	8,558.72 tons organic material, .52 tons copper, 1.56 tons zinc, .52 tons lead, 19.01 tons petroleum hydrocarbons, 41.47 tons oil and grease.	Contra Costa Clean Water Program's standard formula for mixed urban sweeping	Verified by City of Concord Clean Water Program Manager
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal Non-Residential Composting</b>	<b>10793</b>	<b>4.2%</b>			
<b>Subtotal Non-Residential Diversion</b>	<b>80791</b>	<b>31.8%</b>			
Residential/Non-Residential Diversion Activities					
ADC	17919	7.1%	Green waste and C&D	Actual tonnages	DRS
Sludge					
Scrap Metal					
Construction and Demolition					
Landfill Salvage					
<b>Subtotal Residential/Non-Residential Diversion</b>	<b>17919</b>	<b>7.1%</b>			
<b>Total Res/Non-Res Source Reduction Tons</b>	<b>9908</b>	<b>3.9%</b>			
<b>Total Diversion Tons</b>	<b>120688</b>	<b>47.5%</b>			
<b>Total Disposal Tons from Sec.7</b>	<b>133467</b>	<b>52.5%</b>			
<b>Total Generation Tons (Div+Dis)</b>	<b>254145</b>				
<b>Diversion Rate</b>	<b>47%</b>				

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	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 Public Works		Street Sweeping	0	0	8622	8622.0	3.4%	E-mail
City Public Works		Grasscycling	3030	0	0	3030.0	1.2%	E-mail
Sheet Metal Work	S-02-40	Metal recycling	0	2449	0	2449.0	1.0%	P
Discount Warehouse	A-02-12	Cardboard recycling and re-use, plastic recycling, food donations and paper recycling	1190	765	0	1955.2	0.8%	O
Grocery Store	A-02-21	Food composting and donations, cardboard recycling and re-use, and plastic recycling	55	337	1059	1450.0	0.6%	O
Lumber and Hardware Supply	A-02-09	Wood recycling, cardboard recycling and toner cartridge recycling	0	1110	0	1110.3	0.4%	O
Grocery Store	A-02-24	Food composting and donations, cardboard recycling and re-use, and plastic recycling	117	369	596	1081.0	0.4%	O
School District	S-02-05	Grasscycling	1024	0	0	1024.2	0.4%	P
Grocery Store	A-02-20	Food composting and donations, cardboard recycling and re-use, and plastic recycling	146	329	513	987.9	0.4%	O
Discount Warehouse	A-02-22	Cardboard recycling, cardboard re-use and paper recycling	139	625	0	763.4	0.3%	O
<b>Totals</b>			<b>5700.7</b>	<b>5983.2</b>	<b>10789.1</b>	<b>22473.0</b>	<b>8.8%</b>	

Also 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, and applicable conversion factors/sources. Include copies of survey form(s) used.

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).

10. 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 dept. ").

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Scrap Metal	Business recycling, selling materials to local recycler. S-02-07	1995	1
Scrap Metal	Business recycling, selling materials to local recycler. S-02-11	1995	1
Scrap Metal	Business recycling, selling materials to local recycler. S-02-43	1991	2
Scrap Metal	Business recycling, selling materials to local recycler. S-02-40	1991	2449
Scrap Metal	Business recycling, selling materials to local recycler. S-02-15	1998	6
Scrap Metal	Transfer station floor sort	1996	670
Inert Solids	Transfer station floor sort	1996	196

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 10b", provide the 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.

▪ That 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 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

(Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b 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

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b 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
Scrap Metal	Recycling of scrap metals by businesses. S-02-01	11	426 (overall)	0
Scrap Metal	Recycling of scrap metals by businesses. A-02-03	59		0
Scrap Metal	Recycling of scrap metals by businesses. S-02-14	1		0
Scrap Metal	Recycling of scrap metals by businesses. S-02-16	1		0
Scrap Metal	Recycling of scrap metals by businesses. S-02-06	0.3		0
Scrap Metal	Recycling of scrap metals by businesses. S-02-04	5		0
Scrap Metal	Recycling of scrap metals by businesses. A-02-12	1		0
Scrap Metal	Recycling of scrap metals by businesses. R-02-10	5	0	
Inert Solids	Recycling of concrete and asphalt by Cnty Quarry. R-02-01	42,800	2500 (overall)	40,300
Inert Solids	Recycling of concrete and asphalt by Business. R-02-10	28		28

### Conversion Factors

Material	Factor	Source
55 Gal. Drum	25 lbs/each	UCLA Study
Al (32 gallon)	15 lbs/32 gallon crushed/uncrushed	LA County
Al (grocery bag)	2 lbs/grocery bag	CIWMB
Books (cu. Yd.)	478 lbs/cu yd mixed books	Tellus
Books (per each)	1 lbs/each mixed books	Tellus
Bread, bulk	18 lbs/cu Foot	FEECO
Brick-a-brack items, average	2 lbs/each	LA Study
Cardboard (cu.Yards Comp)	400 lb/cu yd compacted	CIWMB
Cardboard (cu.Yd.Uncomp)	100 lb/cu yd uncompacted	CIWMB
Cardboard (large)	4 lbs/large Box	CIWMB
Cardboard (med)	2 lbs/medium Box	CIWMB
Carpet Scraps	84 lbs/cu yd	Tellus
Clothing, mixed charity donation:	30 lbs/33 gallons	LA County
Composting Bins	600 lbs/year	County
Computers	56 lbs/computer	UCLA Study
Concrete, scrap, loose	1855 lb/cu yd	Tellus
Copper Scrap	1094 lbs/cu yd	Tellus
Desk - metal	185 lbs/desk	BUG
Glass Bottles	1 lb/12 oz. Bottle	USEPA
Grass Cycling	0.4 lbs/sq ft	CIWMB
Gypsum, solid	142 lbs / cu ft	FEECO
Office Paper mixed(gal.)	1 lbs/gal	USEPA
Office Paper(reams)	5 lbs/ream	CIWMB
Pallets	40 lbs/pallet	CIWMB
Plastic Bottles	0.1 lbs/ 16 oz. bottle	UCLA Study
Plastic Film(32 gallon bag)	5 lbs/32 gallon bag	UCLA Study
Plastic Film(cu.Yd.)	76 lbs/cu yd, semi-compacted	Tellus
Plastic Scrap	35 lbs/un-compacted cu yd	USEPA
Plastic, bubble wrap	3 lbs/33 gallons	USEPA
Polystyrene, rigid, whole	22 lbs/cu yd	Tellus
Produce waste, mixed, loose	1443 lbs/cu yd	Tellus
Rock, loose	2570 lbs/cu yd	Tellus
Scrap Metal(cu.Yd.)	906 lb/cu yd	USEPA
Styrofoam Kernels	6 lbs/cu yd	Tellus
Tires (car)	20 lbs/ car tire	USEPA
Tires (truck)	80 lbs/ truck tire	USEPA
Toner Cartridges	3 lbs/cartridge	USEPA
Wheels (car)	15 lbs/wheel (car wheel)	Goodyear
Wood, scrap, loose	330 lb/cu yd	Tellus
Yard Sales	0.4 tons/yard sale	CIWMB



Reference Number	SIC	Business Type	Diversion Activity	Material Type	Amount of Material	Units	Annual Frequency	Notes	Conversion Factor	Units	Conversion Source	Restricted	Source Reduction (tons)	Recycling (tons)	Composting (tons)	Total Tons		
S-02-14	5812	Motor Vehicle Dealers (new And Used)											1.3	0.0	0.0	0.0	1.3	
			Recycle	Scrap Metal(cu.Yd.)	0.09	cu. Yard	26.0	Scrap metal put in 32 gal. bin. A guy picks it up every 1 to 2 weeks. Usually only half full. According to convert-me.com 32 gallon = .16	906.0	lb/cu yd	USEPA	1.1					1.1	
			Subtotal														1.1	
S-02-15	5999	Copy Store											6.0	0.0	0.0	0.0	6.0	
			Recycle	Aluminum Sheet Metal	1,000.0	lbs	12.0	The Manager said they recycle 1,000 lbs of Aluminum sheet metal monthly.		Actual Tons	---	---	6.0				6.0	
			Subtotal														6.0	
S-02-16	3523	Farm Machinery And Equipment											1.1	0.0	0.0	0.0	1.1	
			Recycle	Scrap Metal(cu.Yd.)	2.4	cu. Yard	1.0	DC Metals in Oakland provides a bin 4'X4'X4' for scrap metal. They bring the bin to DC metals 1-2 times per year.	906.0	lb/cu yd	USEPA	1.1						1.1
			Subtotal														1.1	
A-02-04	5712	Furniture Stores											0.0	0.0	22.0	0.0	22.0	
			Recycle	Cardboard (cu.Yards Comp)	2.2	cu. Yard	34.7	5'x4'x3' bales=2.2 cu. Yds. One bale every week and a half. Recycled by Corporate Office.	400.0	lb/cubic yard compacted	CIWMB			15.4			15.4	
			Recycle	Toner Cartridges	100.0	cartridges	52.0	Trades used toner cartridges for a ream of office paper. Collect 100 per week	2.5	lbs/cartridge	USEPA			6.5			6.5	
			Recycle	Office Paper mixed(gal.)	55.0	gallons	12.0	Recycles 55 gallons of office paper a month.	0.8	lbs/gal	USEPA			0.3			0.3	
			Source Reduction	Styrofoam Kernels	0.1	cu. Yard	52.0	Collects 1-2 32 gallon bags of kernels a week. Re-use 70% of those collected. 32 gal.=16 cu. Yds. x 0.7=.112 cu. Yds.	6.3	lbs/cu. Yard	Tellus		0.0				0.0	
			Subtotal														22.2	
A-02-05	5411	Grocery Store											0.0	97.8	384.0	0.0	471.8	
			Recycle	Cardboard (cu.Yards Comp)	5.3	cu.Yard	360.0	2 bales each day of about 6x4x3 ft. Recycled by Distribution Center	400.0	lb/cubic yard compacted	CIWMB				384.0		384.0	
			Source Reduction	Bread, bulk	23.4	cu. Feet	360.0	5 shopping carts of food donated each day. Shopping carts are 2.5'x1.5'x1.25'	18.0	lbs/cu. Foot	FEECO		75.9				75.9	
			Source Reduction	Office Paper(ream)	1.0	ream	12.0	Cut up used printer paper and re-use as note pads.	5.0	lbs/ream	CIWMB		0.0				0.0	
			Source Reduction	Cardboard (med)	30.0	boxes	360.0	30 boxes per day re-used for customer purchases.	2.2	lbs/med. Box	CIWMB		11.9				11.9	
			Subtotal														471.8	
S-02-19	2711	Newspaper Publisher											0.0	0.0	0.0	0.0	0.0	
			Recycle	Computers	2.0	computers	1.0	Corporate office recycles computers.	55.5	lbs/computer	UCLA Study			0.1			0.1	
			Subtotal														0.1	
S-02-20	5211	Lumber Supplies											0.0	0.0	1.1	0.0	1.1	
			Recycle	Cardboard (med)	20.0	boxes	52.0	20 boxes a week picked up by BFI.	2.2	lbs/med. Box	CIWMB			1.1			1.1	
			Subtotal														1.1	
A-02-06	5331	Variety Store											0.0	0.0	154.1	0.0	154.1	
			Recycle	Cardboard (cu.Yards Comp)	14.8	cu. Yard	52.0	5 bales 5'x4'x4' picked up by Newark Office every week. According to convert-me.com 5x4x4 = 2.96 c.y. x 5 bales = 14.8 c.y.	400.0	lb/cubic yard compacted	CIWMB			154.1			154.1	
			Subtotal														154.1	
S-02-22	3993	Signs And Advertising Specialties											0.0	0.0	0.0	0.0	0.0	
			Source Reduction	Cardboard (med)	10.0	boxes	52.0	Re-use 10 boxes a week for packaging	2.2	lbs/med. Box	CIWMB		0.6				0.6	
			Source Reduction	Plastic, bubble wrap	0.5	33 gal	52.0	Re-uses 16 gal. bag every week for packaging. 16/33=484848	3.0	lbs/33 gallons	USEPA		0.0				0.0	
			Source Reduction	Styrofoam Kernels	0.1	cu. Yard	52.0	Re-use for packaging. 16 gal = 2.139 cu. Ft (convert-me.com)	6.3	lbs/cu. Yard	Tellus		0.0				0.0	
			Subtotal														0.6	
A-02-07	5331	Variety Store											0.0	0.0	59.4	0.0	59.4	
			Recycle	Cardboard (med)	150.0	boxes	360.0	What doesn't fit in bin a scavenger picks up.	2.2	lbs/med. Box	CIWMB			59.4			59.4	
			Source Reduction	Plastic, bubble wrap	1.0	33 gal	52.0	Re-uses one 32 gallon bag of plastic wrap per week.	3.0	lbs/33 gallons	USEPA		0.1				0.1	
			Subtotal														59.5	
S-02-24	5331	Variety Store											0.0	0.0	19.3	0.0	19.3	
			Recycle	Cardboard (cu.Yards Comp)	1.8	cu. Yard	52.0	Cardboard and Mixed paper recycled by Corporate Office.	400.0	lb/cubic yard compacted	CIWMB			18.5			18.5	
			Recycle	Plastic Film(cu.Yd.)	0.3	cu. Yard	52.0	Plastic shrink wrap recycled by corporate	76.0	lbs/cu yd, semi-compacted	Tellus			0.6			0.6	
			Subtotal														19.4	
S-02-25	7992	Public Golf Course											0.0	426.9	0.0	0.0	426.9	
			Source Reduction	Grass Cycling	2,439,360.0	sq. ft	1.0	56 acres of course mowed per day. According to convert-me.com 1 acre = 43,560 sq.ft. x 56 acres = 2,439,360 sq.ft.	0.4	lbs/sq. ft	CIWMB		426.9				426.9	
			Subtotal														426.9	

Reference Number	SIC	Business Type	Diversion Activity	Material Type	Amount of Material	Units	Annual Frequency	Notes	Conversion Factor	Units	Conversion Source	Restricted	Source Reduction (tons)	Recycling (tons)	Composting (tons)	Total Tons	
A-02-08	5418	Grocery Store											0.0	34.4	518.4	0.0	552.4
			Recycle	Cardboard (cu.Yards Comp)	49.8	cu. Yard	52.0	baled occ - 14 bales/week - bales = 6'4"4 = 3.6 cu. Yds. Recycled by Distribution Center.	400.0	lb/cubic yard compacted	CIWMB			517.7			517.7
			Recycle	Plastic Film(32 gallon bag)	3.0	32 gal	52.0	plastic shrink wrap recycled by corporate - 3-32 gallon bags per week	4.8	lbs/32 gallon bag	UCLA Study			0.4			0.4
			Source Reduction	Gallons of Juice/Milk	108.0	1 gal	52.0	Out of code juice/milk is used as pig feed	8.0	lbs/gallon	Convert-me.com			22.5			22.5
			Source Reduction	Food Donations	11.9	tons	1.0	Per corporate report 23,885 lbs of food donated each year	Actual Tons	---	---			11.9			11.9
			Subtotal														552.4
A-02-09	5212	Lumber and Hardware Supplies											0.0	0.1	1,180.2	0.0	1,180.3
			Recycle	Cardboard (cu.Yards Comp)	44.4	cu. Yard	52.0	bales=5'4"4=3cu. Yds - 15 bales each week. Recycled by Corporate Office.	400.0	lb/cubic yard compacted	CIWMB			462.2			462.2
			Recycle	Pallets	90.0	pallets	360.0	A landscaping company picks up pallets and chips them for ground cover, mulch, etc. CHEP pallets are re-used and not counted.	40.0	lbs/pallet	CIWMB			648.0			648.0
			Recycle	Toner Cartridges	5.0	cartridges	12.0	Sent back to manufacturer	2.5	lbs/cartridge	USEPA			0.1			0.1
			Subtotal														1,180.3
A-02-10	3295	Stone Dealer											0.0	0.0	5.6	0.0	5.6
			Recycle	Mixed Paper	0.6	cu. Yard	52.0	Loose mixed paper.	363.5	lbs/cu yd	USEPA			5.6			5.6
			Subtotal														5.6
A-02-11	5338	Variety Store											0.0	0.0	118.4	0.0	118.4
			Recycle	Cardboard (cu.Yards Comp)	11.0	cu. Yard	52.0	5 bales 5'4" x 3' Cardboard and Mixed paper per week. Recycled by Distribution Center.	400.0	lb/cubic yard compacted	CIWMB			115.6			115.6
			Recycle	Plastic Film(32 gallon bag)	20.0	32 gal. bags	52.0	32 gal. bags. 20 recycled per week.	4.8	lbs/32 gallon bag	UCLA Study			2.5			2.5
			Subtotal														118.1
S-02-30	9228	Police Protection											0.0	0.0	9.6	0.0	9.6
			Recycle	Mixed Paper	9.6	tons	1.0	Shred-it gives annual totals of # of trees saved; 2002 163 trees saved (17 trees = 1 ton of paper from website) = 9.6 tons	Actual Tons	---	---			9.6			9.6
			Subtotal														9.6
S-02-31	8238	Librerie											0.0	8.9	0.0	0.0	8.9
			Source Reduction	Books (per each)	12,000.0	books	1.0	Friends of the Library book sales sold 12,000 books.	1.5	lbs/ea. Mixed books	Tellus			8.9			8.9
			Subtotal														8.9
S-02-13	5338	Variety Store											0.0	73.7	0.0	0.0	73.7
			Source Reduction	Syrofoam Kernels	0.2	cu. Yard	8.0	Re-uses one 32 gal. bag per month and a half. 32 gallons = .1584 cu. Yard	6.3	lbs/cu. Yard	Tellus			0.0			0.0
			Source Reduction	Plastic, bubble wrap	1.0	33 gal	12.0	Re-uses one 32 gal. bag per month. 32 gallons = .9696 of 33 gallons.	3.0	lbs/33 gallons	USEPA			0.0			0.0
			Source Reduction	Cardboard (med)	20.0	boxes	12.0	Re-uses 20 boxes per month.	2.2	lbs/med. Box	CIWMB			0.3			0.3
			Source Reduction	Brick-a-brack items, average	8,000.0	items	12.0	Takes in 8000 house hold items per month.	1.5	lbs/each	LA Study			73.4			73.4
			Subtotal														73.7
S-02-35	4312	United States Postal Service											0.0	0.0	269.6	0.0	269.6
			Recycle	Office Paper mixed(gal)	2,693.0	gal	260.0	10 3x3x4 carts every weekday. According to convert-me.com 3x3x4 cart = 269.3 gal x 10 carts = 2,693 gallons.	0.8	lbs/gal	USEPA			269.6			269.6
			Subtotal														269.6
A-02-12	5999	Discount Warehouse											1.2	1,198.4	764.8	0.0	1,956.4
			Recycle	Cardboard (cu.Yards Comp)	71.1	cu. Yard	52.0	Recycled by Weyerhaeuser - bales = 6'4"4 = 3.6 cu yds	400.0	lb/cubic yard compacted	CIWMB			739.6			739.6
			Source Reduction	Cardboard (med)	3,000.0	medium boxes	360.0	Empty boxes used to package customer purchases	2.2	lbs/med. Box	CIWMB			1,188.0			1,188.0
			Recycle	Plastic Film(cu.Yd.)	8.9	cu. Yard	52.0	Recycled by Pacific Rim recycling. bales=5'4"x3 = 2.2 cu.yds	76.0	lbs/cu.yd. semi-compacted	Tellus			17.6			17.6
			Recycle	Office Paper mixed(gal)	384.0	gallons	52.0	CPOR Waste recycles paper- company has 2-96gallon recycling containers emptied 2 times each week.	0.8	lbs/gal	USEPA			7.7			7.7
			Source Reduction	Food Donations	325.0	Turkeys	1.0	Holiday turkeys given to employees, most employees don't take them. The ones that aren't taken are donated.	15.0	lbs/turkey	---			2.4			2.4
			Recycle	lead weights	0.3	cu. Yard	6.0	Snuggle Perfect Manufacturing picks up 1 pallet every 2 months-pallet = 48" x 40" x 6"	1,603.84	lbs	Tellus			1.2			1.2
			Subtotal														1,956.4
A-02-13	5722	Household Appliance Stores											0.0	0.3	47.3	0.0	47.6
			Recycle	Cardboard (cu.Yards Comp)	2.2	cu. Yard	104.0	Bales = 5'4"3=2.2cu. Yds - 2 bales each week. Recycled by Corporate Office.	400.0	lb/cubic yard compacted	CIWMB			46.2			46.2
			Recycle	Office Paper mixed(gal)	55.0	gallons	52.0	CPOR Waste recycles paper- company has 1-55gallon recycling container emptied 1 time each week.	0.8	lbs/gal	USEPA			1.1			1.1
			Source Reduction	Plastic, bubble wrap	67.3	gallons	52.0	Bubble wrap in rolls 3ft x 2ft, found volume of cylinder to be 9 cu. ft. = 67.32 gallons	0.1	lbs/gallon	Convert-me.com			0.2			0.2
			Source Reduction	Syrofoam Kernels	0.3	cu. Yard	104.0	Reuse of styrofoam kernels to package orders	6.3	lbs/cu. Yard	Tellus			0.1			0.1
			Subtotal														47.6



Reference Number	SIC	Business Type	Diversion Activity	Material Type	Amount of Material	Units	Annual Frequency	Notes	Conversion Factor	Units	Conversion Source	Restricted	Source Reduction (tons)	Recycling (tons)	Composting (tons)	Total Tons
A-02-17	5413	Grocery Store										0.0	0.0	2.4	0.0	2.4
			Recycle	Plastic Film(cu.Yd.)		5.3	cu. Yard	12.0 4'x4'x3' bales/ 3 per month. Recycled by Super Link.	76.0	lbs/cu yd, semi-compacted	Tellus			2.4		2.4
			Subtotal													
A-02-18	5331	Variety Store										0.0	0.0	80.9	0.0	80.9
			Recycle	Cardboard (cu Yards Comp)		2.2	cu. Yard	1 5x4x3 bale every 2 days. According to convert-me.com 5x4x3 bale = 2.2 cu. Recycled by Corporate Office.	400.0	lb/cubic yard compacted	CIWMB			80.9		80.9
			Subtotal													
A-02-19	5413	Grocery Store										0.0	0.0	144.4	0.0	144.4
			Recycle	Cardboard (cu Yards Comp)		2.8	cu. Yard	260.0 5'x5'x3' bales/ 5 per week. Picked up by Paris Bros.	400.0	lb/cubic yard compacted	CIWMB			144.4		144.4
			Subtotal													
A-02-20	5413	Grocery Store										0.0	145.8	329.4	512.7	987.9
			Recycle	Cardboard (cu.Yards Comp)		31.1	cu. Yard	52.0 5'x4'x3' bales/ 14 per week. Recycled by Distribution Center.	400.0	lb/cubic yard compacted	CIWMB			323.6		323.6
			Recycle	Plastic Film(32 gallon bag)		46.9	32 gallon bags	60 gallon bags filled with plastic/ 25 per week. Recycled by Distribution Center.	4.8	lbs/32 gallon bag	UCLA Study			5.9		5.9
			Source Reduction	Bread, bulk		45.0	cu. Feet	8 shopping carts of baked goods per day donated to various organizations/ Shopping carts are 2.5'x1.5'x1.5'=5.6 cu. Ft	18.0	lbs/cu. Foot	FEECO		145.8		145.8	
			Source Reduction	Produce waste, mixed, loose		2.0	cu. Yard	20 boxes of food per day sent to be composted. Boxes are 1.333'x1'x2'	1,443.0	lbs/cu. Yard	Tellus			512.7		512.7
			Source Reduction	Cardboard (med)		20.0	boxes	Waxy cardboard boxes from above (composted food) are also composted. 20 boxes per day.	2.2	lbs/med. Box	CIWMB			7.9		7.9
			Subtotal													
A-02-21	5413	Grocery Store										0.0	54.7	336.4	1,039.0	1,450.0
			Recycle	Cardboard (cu.Yards Comp)		31.1	cu. Yard	52.0 5'x4'x3' bales/ 14 per week. Recycled by Distribution Center.	400.0	lb/cubic yard compacted	CIWMB			323.6		323.6
			Recycle	Plastic Film(32 gallon bag)		15.0	32 gallon bags	8-10 60 gallon bags filled with plastic per day. Recycled by Distribution Center.	4.8	lbs/32 gallon bag	UCLA Study			13.0		13.0
			Source Reduction	Bread, bulk		16.9	cu. Feet	3 shopping carts of baked goods per day donated to various organizations/ Shopping carts are 2.5'x1.5'x1.5'=5.6 cu. Ft	18.0	lbs/cu. Foot	FEECO		54.7		54.7	
			Source Reduction	Produce waste, mixed, loose		4.0	cu. Yard	1.5 pallets per day, pallets are 3'x4' stacked 6' high. Approximately 50 boxes	1,443.0	lbs/cu. Yard	Tellus			1,039.0		1,039.0
			Source Reduction	Cardboard (med)		50.0	boxes	Waxy cardboard boxes from above (composted food) are also composted. 50 boxes per day.	2.2	lbs/med. Box	CIWMB			19.8		19.8
			Subtotal													
A-02-22	5999	Discount Warehouse										0.0	138.6	624.0	0.0	763.0
			Recycle	Cardboard (cu.Yards Comp)		60.0	cu. Yard	52.0 6'x3'x3' bales/ 30 per week. Recycled by Weyerhaeuser.	400.0	lb/cubic yard compacted	CIWMB			624.0		624.0
			Recycle	Office Paper mixed(gal.)		180.0	gallons	12.0 3 60 gallon barrels per month	0.8	lbs/gal	USEPA			0.8		0.8
			Source Reduction	Cardboard (med)		350.0	boxes	360.0 350 boxes per day used for customer purchases	2.2	lbs/med. Box	CIWMB			138.6		138.6
			Subtotal													
A-02-23	5413	Grocery Store										0.0	0.0	333.0	0.0	333.0
			Recycle	Cardboard (cu.Yards Comp)		4.4	cu. Yard	360.0 Bales are 5'x4'x3'/ 2 bales per day. Recycled by Corporate Office.	400.0	lb/cubic yard compacted	CIWMB			320.0		320.0
			Recycle	Plastic Film(32 gallon bag)		15.0	cu. Yard	8-10 60 gallon bags filled with plastic per day. Recycled by Corporate Office.	4.8	lbs/32 gallon bag	UCLA Study			13.0		13.0
			Subtotal													
8-02-05	8213	School District										0.0	1,024.2	0.0	0.0	1,024.2
			Source Reduction	Grass Cycling		5,852,610.0	sq. ft	Approximately 134 acres of grass mowed on school grounds. 1 acre = 43,560 sq. ft x 134 acres = 5,852,610 sq.ft.	0.4	lbs/sq. ft	CIWMB		1,024.2			1,024.2
			Subtotal													
A-02-24	5413	Grocery Store										0.0	116.6	366.7	583.6	1,081.0
			Recycle	Cardboard (cu.Yards Comp)		5.0	cu. Yard	360.0 Bales are 5'x3'x3'/ 3 bales per day. Recycled by Distribution Center.	400.0	lb/cubic yard compacted	CIWMB			360.0		360.0
			Recycle	Plastic Film(32 gallon bag)		10.0	32 gallon bag	10 32 gallon bags filled with plastic per day. Recycled by Distribution Center.	4.8	lbs/32 gallon bag	UCLA Study			8.6		8.6
			Source Reduction	Bread, bulk		36.0	cu. Feet	360.0 Donates 36 boxes of food every other day. Boxes are 1'x1.33'x1.5'. 7-10 pallets per week, pallets are 3'x4' stacked 5' high.	18.0	lbs/cu. Foot	FEECO		116.6		116.6	
			Source Reduction	Produce waste, mixed, loose		15.6	cu. Yard	52.0 Approximately 210 boxes per week.	1,443.0	lbs/cu. Yard	Tellus			583.6		583.6
			Source Reduction	Cardboard (med)		210.0	boxes	Waxy cardboard boxes from above (composted food) are also composted. 210 boxes per week.	2.2	lbs/med. Box	CIWMB			12.0		12.0
			Recycle	Toner Cartridges		4.0	cartridges	12.0 4-5 toner cartridges per month.	2.5	lbs/cartridge	USEPA			0.1		0.1
			Subtotal													
8-02-10	5331	Variety Store										0.0	0.1	0.0	0.0	0.1
			Source Reduction	Clothing, mixed charity donations		12.0	gallons	6-7 grocery bags of clothing donated per month. Average grocery bag fit 2 gallons. 12 gallons/33 gallons = .36 gallons to fit	30.0	lbs/33 gallons	LA Co 11-98			0.1		0.1
			Subtotal													
R-02-01		Inerts Recycler										42,800.0	0.0	0.0	0.0	42,800.0
			Recycle	Concrete and Asphalt		42,800.0	Tons	Concrete and Asphalt recycling. Includes inerts from city projects. Information received in Tons from the recycler.	---	---	---		42,800.0			42,800.0
			Subtotal													
R-02-02		Mixed Recycler										0.0	0.0	5,889.9	0.0	5,889.9
			Recycle	Mixed Recycling		5,889.9	Tons	Aluminum, Glass and Plastics recycled. Information received in Tons from the recycler.	---	---	---			5,889.9		5,889.9
			Subtotal													

Reference Number	SIC	Business Type	Diversion Activity	Material Type	Amount of Material	Units	Annual Frequency	Notes	Conversion Factor	Units	Conversion Source	Restricted	Source Reduction (tons)	Recycling (tons)	Composting (tons)	Total Tons	
R-02-03		Tire Recycler										0.0	96.0	384.0	0.0	480.0	
			Recycle	Tires	480.0	Tons	1.0	80% of tires shredded and used as ADC. Information received in Tons from the recycler.	---	---	---			384.0		384.0	
			Source Reduction	Tires	480.0	Tons	1.0	20% of tires re-sold. Information received in Tons from the recycler.	---	---	---		96.0			96.0	
		Subtotal			480.0												
R-02-04		Paper Recycler										0.0	0.0	196.0	0.0	196.0	
			Recycle	Mixed Paper	196.0	Tons	1.0	Collects paper products from businesses. Information received in Tons from the recycler.	---	---	---			196.0		196.0	
		Subtotal			196.0												
R-02-05		Tallow Recycler										0.0	0.0	82.0	0.0	82.0	
			Recycle	Trap Grease	82.0	Tons	1.0	Information received in Tons from the recycler.	---	---	---			82.0		82.0	
		Subtotal			82.0												
R-02-06		Tallow Recycler										0.0	0.0	632.0	0.0	632.0	
			Recycle	Tallow	390.0	Tons	1.0	Information received in Tons from the recycler.	---	---	---			390.0		390.0	
			Recycle	Used cooking oil	180.0	Tons	1.0	Information received in Tons from the recycler.	---	---	---			180.0		180.0	
			Recycle	Trap Grease	62.0	Tons	1.0	Information received in Tons from the recycler.	---	---	---			62.0		62.0	
		Subtotal			632.0												
R-02-07		Paper Recycler										0.0	0.0	25.0	0.0	25.0	
			Recycle	Mixed Paper	25.0	Tons	1.0	Collects paper products from businesses. Information received in Tons from the recycler.	---	---	---			25.0		25.0	
		Subtotal			25.0												
R-02-08		Tire Recycler										0.0	112.8	102.5	0.0	215.3	
			Recycle	Tires	512.7	Tons	1.0	recycler.	---	---	---			102.5		102.5	
			Recycle	Tires	512.7	Tons	1.0	recycler.	---	---	---		112.8			112.8	
								Remainder of tires are burned for fuel or disposed of, not counted.	---	---	---					0.0	
		Subtotal			215.3												
R-02-09		Tire Recycler										0.0	0.0	39.8	0.0	39.8	
			Recycle	Tires	79.7	Tons	1.0	50% of tires recycled. Remainder of tires are burned for fuel or disposed of, not counted. Information received in Tons from the recycler.	---	---	---			39.8		39.8	
		Subtotal			39.8												
R-02-10		C & D Recycler										32.4	0.0	115.0	0.0	162.7	
			Recycle	Dry wall	1,620.0	cu. Feet	1.0	60 cu. Yds = 1,620 cu Ft. according to convert-me.com	142.0	lbs / cu. Ft	FEECO			115.0		115.0	
			Recycle	Concrete, scrap, loose	30.0	cu. Yard	1.0		1,855.0	lb/cu yd	Telus	27.8				27.8	
			Recycle	Scrap Metal	10.0	cu. Yard	1.0		906.0	lb/cu yd	USEPA	4.5				4.5	
			Recycle	Wood, scrap, loose	90.0	cu. Yard	1.0		329.5	lb/cu yd	Telus		14.8			14.8	
			Recycle	Cardboard	10.0	cu. Yard	1.0		100.0	uncompacted	CIWMB			0.5		0.5	
		Subtotal			162.7												
R-02-10		Mixed Recycler										0.0	0.0	23.5	0.0	23.5	
			Recycle	Glass and Cardboard	23.5	Tons	1.0	Information received in Tons from the recycler. Could not give breakdown of glass and cardboard.	---	---	---			23.5		23.5	
		Subtotal			23.5												
R-02-11		Green Waste Recycler										0.0	0.0	0.0	74.4	74.4	
			Composting	Green Waste	74.4	Tons	1.0	Information received in Tons from the recycler.	---	---	---				74.4	74.4	
		Subtotal			74.4												
		Business Survey / Audit Totals			15,153.7							Business Survey / Audit Totals	2,337.9	3,568.0	6,584.7	2,171.1	15,153.7
		Recycler Survey			50,230.7							Recycler Survey Totals	42,032.4	208.7	7,365.1	74.4	50,620.6
		Grand Totals			65,384.4							Grand Totals	45,370.3	4,068.9	14,089.9	2,245.5	65,774.6

Non-allowed restricted waste (metal) 83.6  
Total allowed restricted waste (metal) 2451.3