

STATE OF CALIFORNIA CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD  
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 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

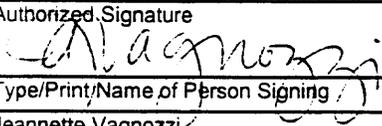
STAFF COPY

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 cells on these sheets are protected except for the ones that need information. 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 City of La Verne		County Los Angeles	
Authorized Signature 		Title Administrative Superintendent	
Type/Print/Name of Person Signing Jeannette Vagnozzi		Date 12-10-01	Phone ( ) (909) 596-8741
Person Completing This Form (please print or type) Hazel Joanes/Rosalind Risser Yasui		Title EcoTelesis Consultant	
Affiliation:	EcoTelesis		
Mailing Address 3660 D Street	City La Verne	State CA	ZIP Code 91750
E-mail address <a href="mailto:jvagnozzi@ci.la-verne.ca.us">jvagnozzi@ci.la-verne.ca.us</a>			

<b>Section II: Information for New Generation-Based Study for Existing or New Base Year</b>			
<b>Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).</b>			
<i>Note: New base years must be representative of a jurisdiction's disposal and diversion.</i>			
<b>1. Current Board-approved base-year:</b>		<b>2. Proposed new generation-based study year:</b>	
1990		2000	
<b>3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:</b>			
This year is representative of a typical year for this jurisdiction in terms of disposal and diversion. The disposal at the landfill has not changed significantly over the past 3 years. In terms of demographics and population, based on the data provided by the CIWMB Diversion Rate Measurement Calculation Sheet, the jurisdiction has experienced a 12.8% increase in it's population; a growth in the Residential Sector of 11.0% and a growth in the Non-Residential Sector of 9.2%. No unusual diversion activities were included in this study.			
<b>4. Enter your diversion rates below.</b>			
<b>Diversion rate calculated using existing base year</b>	<b>a. &lt;0 %</b>	<b>Diversion rate calculated using new generation-based study</b>	<b>b. 28 %</b>
For existing base year pounds/person/day based on generation	6	For new generation based study pounds/person/day based on generation	13.07
<b>Residential generation 46 %</b>	<b>Non-Residential Generation 54 %</b>	<b>Residential generation 42% %</b>	<b>Non-Residential generation 58% %</b>
<b>Population existing generation-based study 30,84</b>		<b>34,800</b>	
<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 any examples, e.g. change in jurisdiction's demographics.</b>			
The City conducted a abase year study for the year 2000. Since 1990, the City has implemented its SRRE programs and has added new programs. These programs include: xeriscaping on City properties, business waste reduction outreach and surveys over several years, a recycled content materials procurement policy, City source reduction and recycling practices, many thrift and charity stores, curbside recycling and green waste collection, an expanded buy back center, commercial recycling, Christmas tree recycling, tire and metal recycling, wood waste mulching and reuse, in-place asphalt recycling, printed recycling brochures, composting workshops, used toilet recycling, school environmental programs, household hazardous waste roundup events, and recycling at public events. Since 1990, the City's business sector has grown, which is reflected in a larger non-residential generation rate.			
<b>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.)</b>			

Errors and omissions in the 1990 base year generation tonnage resulted in a negative diversion rate. That base year did not count all the aspects of diversion that are reflected in this report. Many programs have been implemented during the past 10 years, including residential greenwaste and more emphasis has been placed on City promotion and implementation of commercial and residential recycling and reuse programs. Moreover, according to the 1990 base year 532 surveys were mailed out to the business. Of that 171 surveys were usable. The extrapolated waste diversion attributed to the commercial business and industrial recycling was 3,414 tons/year. By contrast, in the year 2000 the actual recycling attributed to the commercial business sector is 4,413 tons/year. In 2000 the annual tonnage was quantified through on-site surveys of 101 businesses. Likewise, according to the 1990 base year, the extrapolated waste diversion attributed to source reduction in the commercial sector was 7,509 tons. The actual source reduction tonnage quantified in 2000 of the 101 businesses is 1,131 tons/year. It appears that the 1990 base year raw data w

<b>7. Disposal Tonnage: (enter values)</b>	27642	32449	60091
	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 <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, [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 10. Please mark as Attachment 8 all copies of survey forms.

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

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 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>Residential Activities:</b>					
<b>Source Reduction</b>					
Backyard composting		0.0%			
Grasscycling		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>0</b>	<b>0.0%</b>			
<b>Recycling</b>					

Diversion Activity  Please use the Board's program types. The program type glossary is online at: <a href="http://www.ci.wmb.ca.gov/central/pans/codes/reduce.htm">http://www.ci.wmb.ca.gov/central/pans/codes/reduce.htm</a>	Actual tons  (A)	Relative Percent to Total Generation  (A/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
Curbside Recycling	2719	3.3%	Curbside recycling collection, aluminum, glass, newspaper, old corrugated cardboard, old magazines, mixed paper, PET, PVC, HDPE, Tin.	Actual tonnage quantity obtained from the 2000 Recycling Progress Report provided to the City by Waste Management of San Gabriel/Pamona Valley. (This tonnage does not include Department of Conservation California Redemption Value tonnages attributed to the City's Certified Curbside Recycling Program and Certified Recycling Centers)	Waste Management of San Gabriel/Pamona Valleys-City of Laverne: 2000 Recycling Progress Report. Report on file at City Hall.
Buyback centers	171	0.2%	California Refund Value: Aluminum, glass, PET, HDPE.	Actual tonnage quantity obtained from the Department of Conservation Aggregate Volumes for the City of La Verne 2000. This tonnage only includes Certified Recycling Centers ID RC7858 & RC9489.	Department of Conservation Aggregate Volumes for the City of La Verne 2000 - Report on file at City Hall
Drop-off centers					

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 is online at: <a href="http://www.ciwmb.ca.gov/igcentral/parts/codes/reduce.htm">http://www.ciwmb.ca.gov/igcentral/parts/codes/reduce.htm</a>	(A)	(A/Total Generation)			
<b>Other Residential recycling (list each program separately)</b>					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal Residential Recycling</b>	<b>2891</b>	<b>3.5%</b>			
<b>Composting</b>					
Green waste drop-off					
Curbside green waste	3935	4.7%	Grass clippings, tree trimmings, yard waste. (Christmas Trees are not included.)	Actual tonnage quantity obtained from the 2000 Recycling Progress Report provided to the City by Waste Management of San Gabriel/Pamona Valley.	City of Laverne: 2000 Recycling Progress Report- Report on file at City Hall
Christmas Tree program	15	0.0%	Christmas Trees	Actual Christmas tree tonnage quantity obtained from the County Sanitation Districts of Los Angeles County Refuse Disposal Facility Management System for Puente Hills Landfill: Jan-Dec 2000 City of Laverne	County Sanitation Districts of Los Angeles County Refuse Disposal Facility Management System for Puente Hills Landfill: 2000 City of Laverne Report on file at City Hall
<b>Other Residential composting (list each program separately)</b>					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal Residential Composting</b>	<b>3950</b>	<b>4.8%</b>			
<b>Subtotal Residential Diversion</b>	<b>6840</b>	<b>8.2%</b>			
<b>Non-Residential Activities:</b>					
<b>Source Reduction</b>					
Non-Residential Waste Audits*	1,130.75	1.4%		See Section 9	

Diversion Activity  Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmb.ca.gov/gcentral/parts/codes/reduce.htm">http://www.ciwmb.ca.gov/gcentral/parts/codes/reduce.htm</a>	Actual tons  (A)	Relative Percent to Total Generation  (A/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
<b>Other non-Residential source reduction (list each program separately)</b>					
Grasscycling at Public Parks/ Grasscycling Street Medians, Public Facility turf areas and Landscape maintenance districts.	1174	1.4%	Turf Grass	Actual tons reported by the City. California Turf Grass Culture Cooperative Extension University of California, Volume 46, Nos 1&2 1996: Average annual turf grass clipping weight 6.5 tons per acre per year. The City has 17 parks, 8 of those parks have a combination of baseball, soccer, football, track fields and turf fields. The total area of those parks is 140 acres. The mowable area is 112 acres./Street Medians, Library, City Hall and 8 City landscape maintenance districts. Mowable area is 68.61 acres @ 6.5 tons/acre = 445.96 tons	City Waste Reduction Report:City ParksCity/ Medians, Library & City Hall grasscycling - 2000. Information on file at City Hall
Container Reuse/ Cardboard & Plastic buckets/ Duplex Copies	0	0.0%	Cardboard, Plastic Buckets, White Ledger Paper	Actual tons reported by the City. City Parks reuses 5 ( 5 medium-small boxes/mo @ average;1.65lb/box USEPA = 99lb/yr. City Hall duplex copy 52 reams/yr @5 lb/ream = 260 lb/yr. City Parks reuse 2.5 - 5gallon buckets/month @1.9lb/bucket USEPA =57lbs/yr	City Waste Reduction Report:City Parks & City Hall reuse-2000. Information on file at City Hall
Contract City Arborist-Tree Trimming/Mulch	630	0.8%	Tree Trimmings, Woody Organics.	Actual tonnage quantity reported by the City. (City obtains information from Contracted Arborist).	City Waste Reduction Report:City Arborist Contract Tree Trimmings Mulch-2000. Information on file at City Hall

Diversion Activity  Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmbo.ca.gov/central/panda/codes/rdulice.htm">http://www.ciwmbo.ca.gov/central/panda/codes/rdulice.htm</a>	Actual tons  (A)	Relative Percent to Total Generation  (A/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
Wood chipped by City Forces and Re-used as mulch.	39	0.0%	Tree Trimmings & Tree Limbs	Actual tonnage quantity reported by the City. USEPA conversion: 500 lbs per cy. (156 cy/yr x 500 lb/cy = 78,000lbs/yr (39 tons/yr)	City Waste Reduction Report: Mulching Program Recycling Report-2000. Information on file at City Hall.
Public Works Asphalt Re-use	306	0.4%	Asphalt reuse in-place.	Actual tonnage quantity reported by the City.	City Waste Reduction Report: Asphalt Recycling Report-2000. Information on file at City Hall.
<b>Subtotal Non-Residential Source Reduction</b>	<b>3280</b>	<b>4.0%</b>			

Diversion Activity  Please use the Board's program types. The program type glossary is online at: <a href="http://www.chwmb.ca.gov/local/nra/parts/codes/reduce.htm">http://www.chwmb.ca.gov/local/nra/parts/codes/reduce.htm</a>	Actual tons  (A)	Relative Percent to Total Generation  (A/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
<b>Recycling</b>					
<b>Non-Residential Waste Audits*</b>	4413	5.3%	<b>See Section 9</b>		
<b>Other non-Residential recycling (list each program separately)</b>					
Commercial Roll-off diversion	150	0.2%	Building Construction and Demolition, High Grade Paper, Old Corrugated Containers, Newspaper.	Actual tonnage quantity obtained from the 2000 Recycling Progress Report provided to the City by Waste Management of San Gabriel/Pamona Valley.	Waste Management of San Gabriel/Pamona Valleys-City of Laverne: 2000 Recycling Progress Report. Report on file at City Hall.
Toilet Return Program	20	0.0%	Porcelain toilets	Actual tonnage quantities reported by the City. City obtains information from the toilet recycler. According to information from the Metropolitan Water District, a ceramic toilet weight conversion factor is 80 lbs per toilet. City recycles 500 toilets/yr x 80 lb/toilet = 40,000lbs (20 tons)	City Waste Reduction Report: City Toilet Return Program -2000. Information on file at City Hall.
Sharps Recycling	0	0.0%	Sharps	Actual tonnage quantities reported by the City. The City recycles 35 lbs of sharps per month. 35 lbs month x 12 month = 420 lbs (.21 tons)	City Waste Reduction Report: City Sharps Return Program -2000. Information on file at City Hall.
Mulch & Wood Chips/Beneficial Use	54	0.1%	Tree Trimmings & Tree Limbs	Actual tonnage quantities obtained from the Orange County Exempt Greenwaste Report-2000. Green waste was taken to USA Biomass by various entities from the City of La Verne.	Orange County Exempt Greenwaste Report-2000. Report on file at City Hall.

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 is online at: <a href="http://www.ciwmb.ca.gov/central/parks/codes/reduce.htm">http://www.ciwmb.ca.gov/central/parks/codes/reduce.htm</a>	(A)	(A/Total Generation)			
City Facilities Mixed Paper Recycling/Document Destruction/Phonebooks/Cardboard/Toner Cartridge	17	0.0%	Mixed Paper/White Ledger/Phonebooks/OCC	Actual tonnage quantities reported by the City. City Hall recycles 28,353 lbs of mixed paper per year. (3cy/2wks@363.5/cy). City Parks facilities recycles 2,400 lbs/yr (200 lbs/mo @ 12 mo). Shredded White ledger 2066.24 lbs/yr. Phonebooks-24 lbs/yr. OCC (parks) 2,100lbs/yr. Toner Cartridges-30 lbs/yr	City Waste Reduction Report:Office Paper Recycling -2000. Information on file at City Hall.
<b>Subtotal Non-Residential Recycling</b>	<b>4654</b>	<b>5.6%</b>			
<b>Composting</b>					
Non-Residential Waste Audits*	4400	5.3%		See Section 9	
Other non-Residential composting (list each program separately)					
Heritage Park Composting	7	0.0%	Organic orchard waste-Orange grove at Heritage Park.	The City has 7 standard compost bins at Heritage Park. 120 cy were composted during 2000. The City has had this program in place since 1997. USEPA conversion: 325 lbs compost per one 3 cubic yard container. Composting @ Heritage Park:120cy/3cy container/yr = 40 containers. 40 containers x 325 lbs = 13,000lbs/yr. (6.5 tons/yr)	City Waste Reduction Report: Heritage Park Composting-2000. Information on file at City Hall
Enter program name					
Enter program name					
Enter program name					
Enter program name					
<b>Subtotal Non-Residential Composting</b>	<b>4407</b>	<b>5.3%</b>			
<b>Subtotal Non-Residential Diversion</b>	<b>12341</b>	<b>14.9%</b>			

<b>Diversion Activity</b>  Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmbo.ca.gov/local/parks/codes/reduce.htm">http://www.ciwmbo.ca.gov/local/parks/codes/reduce.htm</a>	<b>Actual tons</b>  (A)	<b>Relative Percent to Total Generation</b>  (A/Total Generation)	<b>Specific material type(s) (List operation w/multiple materials in one box)</b>	<b>Specific conversion factor used (if any) and Source</b>	<b>Type of record and location of record</b>
<b>Residential/Non- Residential Diversion Activities</b>					
ADC	0	0.0%		ADC reported on CIWMB Disposal Reporting System is not included. Residential Curbside Greenwaste accounted for in Residential Recycling Composting.	
Sludge Scrap metal			8	0.0%	

Diversion Activity  Please use the Board's program types. The program type glossary is online at: <a href="http://www.ciwmf.ca.gov/central/pans/codes/reduce.htm">http://www.ciwmf.ca.gov/central/pans/codes/reduce.htm</a>	Actual tons  (A)	Relative Percent to Total Generation  (A/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
Construction and demolition	20	0.0%	Concrete, Asphalt, Brick	Actual tonnage quantities obtained from the Orange County Recycled Construction & Demolition Debris Second Quarter-2000. C&D was taken to Dan Copp Crushing by various private entities from the City of La Verne. This is the first year that the City has received data which suggests diversion by Dan Copp Crushing.	Orange County Recycled Construction & Demolition Debris Second Quarter-2000. Information on file at City Hall.
Landfill salvage		4.5%	Asphalt, Dirt, Concrete, Brick	Actual tonnage quantities obtained from the Los Angeles County Department of Public Works Environmental Programs Division 2000 Quartely Reports.	Los Angeles County Department of Public Works Environmental Programs Division 2000 Quartely Reports. Information on file at City Hall.
<b>Subtotal Residential/Non-Residential            diversion</b>	<b>3727</b>	<b>4.5%</b>			
<b>Total Diversion Tons</b>	<b>22909</b>	<b>27.6%</b>			
<b>Total Disposal Tons from Sec.7</b>	<b>60091</b>	<b>72.4%</b>			
<b>Total Generation Tons (Div+Dis)</b>	<b>83000</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 largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

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

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type. Include copies of survey form(s) used.

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
1 Paper Manufacturing	71	cardboard and plastic film recycling, wood pallets recycling		1144		1144.00	1.4%	O
2 Golf Course	82	plastic recycling, wood pallet return for deposit, grasscycling	561	0		560.97	0.7%	O
3 Water District	59	mixed paper, metal scrap recycling, pallet recycling, toner cartridges returned, wood chips reused on site	4	537		541.23	0.7%	O
4 Binder/ Printing	78	mixed paper and cardboard recycling, pallets redistributed to entities other than point of origination.	72	313		385.30	0.5%	O
5 Drug Store	79	cardboard recycling, wood pallet use, plastic pallet use (84 pallets for 1 year), plastic crates replace cardboard, plastic 5 gallon bucket reuse	14	367		381.58	0.5%	O
6 Miscellaneous Retail	74	cardboard and office paper recycling, wood pallet reuse	2	287		385.30	0.5%	O
7 Miscellaneous Retail	13	cardboard recycling, wood pallet reuse, plastic crates replace cardboard and plastic peanut reuse	3	272		288.52	0.3%	O
8 Grocery	89	cardboard, wood and plastic pallet reuse	3	221		274.97	0.3%	O
✓ Miscellaneous Retail	86	cardboard, toner, pallets	2	188		189.65	0.2%	O
10 Retail Clothing	57,57	cardboard recycling, wood pallet reuse	4	144		148.00	0.2%	O

Totals	664.51	3473.769	4299.52	5.2%	0
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Summarize the non-residential diversion activities quantification methodology and applicable conversion factors.

See Attachment 9.2

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

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).

Pull Down for Waste Types	Specific Program name	Year started	Tonnage
Scrap Metal	Parks Department Metal Recycling	1991	8
White Goods	Curbside pick-up of bulky goods	1991	Not Available
Inert Solids	Construction & Demolition	1991	54
Scrap Metal	Steel Drum Return & Metal Scrap (Business #11)	1991	3
Scrap Metal	Metal Scrap (Business #18)	1991	42
Scrap Metal	Metal Scrap (Business #20)	1991	0
Scrap Metal			
	<b>Specific Program name</b>	<b>Year started</b>	<b>Tonnage</b>
	Steel drum recycle (Business #22)	1991	3
Scrap Metal	Metal Scrap (Business #26)	1992	3
Scrap Metal	Metal Scrap (Business #31)	1991	6
Scrap Metal			
	Metal Scrap (Business #42)	1991	54
Scrap Metal			
	Metal Scrap (Business #45)	1991	0
Scrap Metal			
	<del>Steel Drum Return (Business #52)</del>	<del>1991</del>	<del>8</del>
Scrap Metal	Metal Scrap (Business #54)	1992	28
Scrap Metal	Metal Scrap & Steel Pipe (Business #59)	1991	500
Scrap Metal	Metal # 10 Cans (Business #66)	1991	0
Scrap Metal	Metal Scrap (Business #70)	1991	0
Scrap Metal	Metal Scrap (Business #72)	1991	2
Scrap Metal	Metal Scrap (Business #73)	1991	3
Scrap Metal	<del>Metal Scrap (Business #75)</del>	<del>1991</del>	<del>8</del>
Scrap Metal			
	Metal Scrap (Business #76)	1991	0
Scrap Metal			
	Metal Scrap (Business #85)	1991	1
Scrap Metal	Metal Scrap (Business #87)	1991	12
Scrap Metal	Metal Scrap (Business #96)	1991	3
Scrap Metal	Metal Scrap (Business #101)	1993	8



Survey	Item	Activity	Conversion wt.	Source	Reuse	Recycling	Metals
1	misc. retail	none			0.00		
2	retail carpet	white ledger	duplex	5 lb/ream	USEPA	30.00	
3	aircraft rental / flight train	white ledger	duplex	0.5 lb/wk	Company Data	26.00	
		wood pallet	reused	40 lb/pallet	USEPA	800.00	
4	repair/sell printers, cartri	cardboard	reused	2.2 lb/med box	USEPA	2,002.00	
		white ledger	duplex	5 lb/ream	USEPA	120.00	
		bubble wrap	reused	36 lb/yr	Company Data	36.00	
		plastic peanuts	reused	2 lb/wk	Company Data	104.00	
		toner cartridge	returned	2.5 lb/cartridge	USEPA	60.00	
5	food service	cardboard	recycled	50 lb/cy	USEPA		20,800.00
		cooking oil	recycled	7.45 lb/gal	USEPA		1,332.66
6	computer monitor assem	cardboard	recycled	50 lb/cy	USEPA		14,400.00
		white ledger	duplex	0.01 lb/sheet	USEPA	6.00	
		plastic bags	reused	50lb/ mo	Company Data	600.00	
7	equipment rental/ leasin	5-gallon drum	recycled/increase over 1	1.9 lb/bucket	USEPA	4.75	4.75
8	bakery/deli	steel pallet	pallet reuse	40 lb/pallet	USEPA	1,200.00	
		white ledger	scratch paper	5 lb/ream	USEPA	30.00	
		1-gal plastic jug	reused or recycled	0.33 lb/jug	USEPA	51.48	
		3- gal plastic jug	reused or recycled	0.99 lb/jug	USEPA	5.94	
9	ice cream shop	none				0.00	
10	engineering	cardboard	reused	2.2 lb/medium box	USEPA	3,432.00	
11	fabncated metal product	toner cartndge return	returned	2.5 lb/cartndge	USEPA	10.00	
		aluminum scrap	recycled	11 lb/cf	FEECO		828.00
		steel scrap	recycled	61.5 lb/cf	FEECO		3,496.50
		drums returned	returned	38 lb/drum	www.spill911	760.00	3,185.70
12	chemical manufacturing	cardboard	recycled	100 lb/wk	Company Data		5,200.00
		wood pallet	repaired/reused	240/yr @40lb/pallet	USEPA	9,600.00	
3	misc. retail	cardboard	recycled	850 lb/bale	Ecotelesis/USEPA		544,000.00
		wood pallet	reused	40 lb/pallet	USEPA	3,120.00	
		plastic crates repiace		2.2 lb/med box			
		medium cardboard box	reused		USEPA	2,745.60	
		plastic peanuts	reused	78 lb/yr	Company Data	78.00	
14	video rental	none				0.00	
15	termite control	none				0.00	
16	home for disabled adults	5 gallon plastic bucket	recycled	1.9 lb/bucket	USEPA		98.80
17	leasing	none				0.00	
18	grandstand contractor	wood pallet	repair/reuse	375 pallets/yr lb/pallet	USEPA	15,000.00	
		steel tubing/angle alum	recycled	42.3 tons/wk @11lbs/cuft	FEECO		84,656.00
19	restaurant	none					
20	landscaping	phonebook	recycled	4 lb/book	USEPA		40.00
		metal scrap	recycled	20 lb/mo	Company Data		240.00
		aluminum scrap	recycled	30 lb/mo	Company Data		360.00
		grass	grasscycling	6.5 tons/acre	California Turfgrass Study	156,000.00	
		plant pots	reused	0.25lb/pot	Company Data	2,500.00	
		wood pallet	reused	72 pallets/year lb/pallet	USEPA	2,880.00	
		newspaper	reused for packing	9 lb/wk	Company Data	468.00	
		toner cartndge	returned	2.5 lb/cartndge	USEPA	6.25	
21	church/ school	white ledger	scratch paper	5 lb/ream	USEPA	30.00	
		5- gal bucket	reused	24 buckets/yr lb/bucket	USEPA	45.60	
		toner cartridge	returned	2.5 lb/cartridge	USEPA	10.00	
		1-gallon Jug	reused	4.5 jugs/yr .33lb/jug	USEPA	1.48	

Survey #	Item	Activity	Conversion wt.	Source	Reuse	Recycling	Metals	
22	agricultural plastic mfg.	55-gal steel drum	returned	11 drums/mo 38 lb/drum	www.spill911.com		5,016.00	5,016.00
		pallet	reused	200 pallets/yr	USEPA	80,000.00		
		white ledger	duplex	40lb/ pallet 5 lb/ream	USEPA	520.00		
23	retail garden furniture	cardboard	recycled	50 lb/cy	USEPA		1,800.00	
		pallet	reused	120 pallets/yr 40 lb/pallet	USEPA	4,800.00		
		toner cartridge	returned	4 cartridges/yr 2.5 lb/cartridge	USEPA	7.50		
24	business association	white ledger	recycled	101.64 lb/yr (Business estimate)	Company Data		101.64	
		cardboard	recycled	1.1 lb/small box	USEPA		85.80	
		white ledger duplex	duplex	5 lb/ream	USEPA	84.00		
25	military research	bubblewrap	reused	960 lb/yr (Business estimate)	Company Data	960.00		
		styrofoam peanuts	reused	640 lb/yr (Business estimate)	Company Data	640.00		
		cardboard	reused	2.2 lb/med box	USEPA	704.00		
		white ledger	duplex	5 lb/ream	USEPA	10.00		
26	spring mfg	metal scrap	recycled (started 1992)	6400 lb/yr (Business estimate)	Company Data		6,400.00	6,400.00
		phone book	recycled	4 lb/book	USEPA		24.00	
		cardboard	recycled	12.5 lb/yr (Business estimate)	Company Data		12.50	
		computer paper	shredded/recycled	.24 lb/gallon	USEPA		432.00	
		wood pallet	employees take home	12 pallets/yr 40 lb/pallet	USEPA	480.00		
		white ledger	duplex	5 lb/ream	USEPA	20.00		
		toner cartndge	returned	2.5 lb/cartndge	USEPA	30.00		
		polystyrene plastic peanuts	reused	6.27 lb/cy	Tellus	6.27		
27	restaurant	cooking oil	recycled	8cf/wk 80lb/cf	USEPA		33,647.00	
		cardboard stacked	recycled	7.45 lb/gallon 50 lb/cy	USEPA		17,880.00 2,400.00	
28	church/ school	white ledger	recycled	60 lb/mo (Business estimate)	Company Data		720.00	
		cardboard	recycled	2.2 lb/med box	USEPA		88.00	
		phone books	recycled	4 lb/book	USEPA		4.00	
		cardboard	reused	2.2 lb/med box	USEPA	88.00		
		toner cartridge	returned	2.5 lb/cartndge	USEPA	8.75		
29	vetennarian	cardboard	recycled	5 lb/month (Business estimate)	Company Data		60.00	
		white ledger duplex	duplex	5 lb/ream	USEPA	60.00		
30	retail clothing	cardboard	reused	2.2 lb/med box	USEPA	1,029.60		
		white ledger	scratch paper	5 lb/ream	USEPA	15.00		
31	machining	scrap metal	recycled	1000 lb/mo (Business estimate)	Company Data		12,000.00	12,000.00
		polystyrene plastic peanuts	recycled	6.27 lb/cy	Tellus 1 cu. Yd.=6.27 lbs.		36.23	
		wood pallet	reused	40 lb/pallet	USEPA	2,400.00		
		cardboard	reused	500 lb/mo (Business estimate)	Company Data	6,000.00		
	toner cartndge	returned	2.5 lb/cartndge	USEPA	5.00			
32	plumbing valve mfg	cardboard	reused	225 lb/wk (Business estimate)	Company Data	11,700.00		

Survey	Item	Activity	Conversion wt.	Source	Reuse	Recycling	Metals
23	plant nursery	compost	compost	500 lb/yr (Business estimate)	Company Data		500.00
		wood pallet	returned	50 pallets/ yr 40 lb/pallet	USEPA	2,000.00	
		crate	reused	20 lb/crate	Company Data	2,000.00	
34	plastic mfg.	pallet	repaired/recycled	Reused 78pallets/yr, Recycled 130pallets/yr 40 lb/pallet	USEPA	3,120.00	5,200.00
		white ledger	reused as scratch paper	0.01 lb/sheet	USEPA	3.90	
		plastic scrap	recycled	6.5 gaylords full/mo	Company Data		39,000.00
		toner cartndge	returned	2.5 lb/cartridge	USEPA	5.00	
35	private high school	mixed paper, loose	recycled	872.4lbs/mo(9 months) 363.5/cy	USEPA		34,024.00
		grass	grasscycling	6.5 tons/acre/yr	1996 Ca. turfgrass study	156,000.00	
		5- gal bucket	reused	1.9 lb/bucket	USEPA	114.00	
36	stone contractor	wood pallet	reused/returned	40 lb/pallet	USEPA	60,200.00	
		computer	donated	56 lb/computer, monitor	USEPA	0.00	
		toner cartndge	returned	2.5 lb/cartridge	Company Data	50.00	
		white ledger	paper to electronic conv.	550 lb/yr (Business estimate)	Company Data	550.00	
		white ledger	reused as scratch	10 reams/yr 5 lb/ream	USEPA	50.00	
37	machining	white ledger	recycled	32 lb/mo (Business estimate)	Company Data		384.00
		cardboard	reused	1.65 lb/small, medium box	USEPA	3,003.00	
		bubblewrap	reused	10 lb/yr (Business estimate)	Company Data	10.00	
		styrofoam peanuts	reused	10 lb/yr (Business estimate)	Company Data	10.00	
38	airplane electrical serv	white ledger	duplex	5 lb/ream	USEPA	2,160.00	
		bubble wrap	reused	104 lb/yr (Business estimate)	Company Data	104.00	
		polystyrene plastic peanuts	reused	30 lb/yr (Business estimate)	Company Data	30.00	
		5- gal buckets	reused	1.9 lb/bucket	USEPA	5.70	
		phonebooks	recycled	4lb/book	USEPA		16.00
39	tool mfg	white ledger	recycled	5 lb/ream	USEPA		30.00
		wood crates	repaired/reused	65 crates/yr (Business estimate)	Company Data	700.00	600.00
		newspaper	reused for packing	240 lb/yr (Business estimate)	Company Data	240.00	
		5 gallon plastic bucket	reused	1.9 lb/bucket	USEPA	68.40	
		toner cartndge	returned	2.5 lb/cartridge	USEPA	11.25	
40	fabric importer	cardboard	reused	22.5 lb/wk (Business estimate)	Company Data	1,170.00	
		wood pallet	repaired	40 lb/pallet	USEPA	320.00	
		computer	donated to schools	56 lb/system	USEPA	0.00	
41	fire suppression	wood pallet	fire suppression practice	20 tons/yr (Business estimate)	Company Data	40,000.00	
42	pottery products	wood pallet	reused/recycled	40 lb/pallet	USEPA		76,800.00
		scrap metal	recycled	2 tons/yr (Business estimate)	Company Data		108,720.00
		55 gal drum	returned	38 lb/drum	spil1911.com	152.00	
43	medical supplies	cardboard	recycled	1040 boxes/ yr 2.2 lb/med box	USEPA		2,288.00
		wood pallet	recycled	156pallets/yr 40 lb/pallet	USEPA		6,240.00
		white ledger	reused as scratch paper	28 lb/mo (Business estimate)	Company Data	336.00	
		toner cartridge	returned	6.5/mo 2.5 lb/cartridge	USEPA	195.00	

Survey	Item	Activity	Conversion wt.	Source	Reuse	Recycling	Metals
	styrofoam peanuts	reused	135 lb/yr (Business estimate)	Company Data	135.00		
44	aircraft maint/ sales	none					
45	plumbing	cardboard	recycled	6795 lb/yr (Business estimate)	Company Data	6,795.00	
		scrap metal	recycled	226.5 lb/55 gal	USEPA	679.50	679.50
		computer paper	recycled	50 lb/case	USEPA	150.00	
		wood pallet	reused	40 lb/pallet	Company Data	2,800.00	
		office equipment	donated	1000 lb (Business estimate)	Company Data	0.00	
		5-gal plastic bucket	reused	1.9 lb/bucket	USEPA	11.40	
46	fabnc store	none		USEPA	0.00		
47	Restaurant	cooking oil	recycled	7.45 lb/gal	USEPA	44,700.00	
		beer bottle	recycled	.53/lb	USEPA	0.00	
		Liquor Bottles	recycled	96 bottles/wk 1.08/bottle	USEPA	5,392.00	
		wine bottle	recycled	84 bottles/wk 1.08 lb/bottle	USEPA	4,717.00	
		cardboard	recycled	3ft stack 2x/wk 50 lb/cy	USEPA	5,200.00	
		5-gallon plastic bucket	reused	100 buckets/yr 1.9lb/bucket	USEPA	190.00	
		1-gal jug	reused	200 jugs/yr 0.33 lb/jug	USEPA	66.00	
48	Car Wash	white ledger	duplex	50 lb/case	USEPA	325.00	
49	City Hall	Items included in Sec II					
50	Parks & Recreation	Items included in Sec II					
51	County Library	newspaper	recycled	3,600papers 1.16 lb/paper/day	EcoTelesis	4,176.00	
		phonebook	recycled	4 lb/book	USEPA	40.00	
		cardboard	reused	2.2 lb/med box	USEPA	5,720.00	
		books	donated	2000 books/ yr 1 lb/book	Company Data	2,000.00	
		white ledger	reused	50 lb/case	USEPA	100.00	
52	Recreational Facility	cardboard	recycled	2.2 lb/medium box	USEPA	2,688.40	
		office paper	recycled	5 lb/ream	USEPA	90.00	
		white ledger	recycled	50 lb/case	USEPA	900.00	
		55- gal steel drum	recycled	38 lb/drum	spill911.com	190.00	190.00
		5- gal plastic bucket	reused	1.9 lb/bucket	USEPA	3.80	
		1 gal jug	reused	.33 lb/jug	USEPA	1.65	
53	Boy's home / school	cooking oil	recycled	410 lb/55 gal drum full	USEPA	4,920.00	
		cardboard	recycled	50 lb/cy	USEPA	2,600.00	
		furniture donations	donated	7800 lb/yr (Business estimate)	Company Data	0.00	
		grass	grasscycling	6.5 tons/acre/year	California Turfgrass Study	2,990.00	
		white ledger	duplex	5 lb/ream	USEPA	60.00	
		white ledger	reused as scratch	5 lb/ream	USEPA	60.00	
54	Air Conditioning	steel scrap	recycled (started 1992)	4500 lb/mo (Business estimate)	Company Data	54,000.00	54,000.00
		aluminum scrap	recycled (started 1992)	100 lb/mo (Business estimate)	Company Data	1,200.00	1,200.00
		copper scrap	recycled (started 1992)	100 lb/mo (Business estimate)	Company Data	1,200.00	1,200.00
		wood pallet	reused	40 lb/pallet	USEPA	2,000.00	
55	Restaurant	5 gallon plastic bucket	reused	1.9 lb/bucket	USEPA	197.60	
		cooking oil	recycled	7.45 lb/gal	USEPA	4,172.00	
56	Plastic Injection Molding	wood pallet	returned	30 pallets/mo 40 lb/pallet	USEPA	14,400.00	
		wood pallet	Recycled	10 pallets/week 40 lb/pallet	USEPA	20,800.00	
57	Retail Clothing	cardboard	recycled	400 lb/cy (compacted)	USEPA	288,000.00	
		wood pallet	reused	200 pallets/yr 40 lb/pallet	USEPA	8,000.00	

Survey	Item	Activity	Conversion wt.	Source	Reuse	Recycling	Metals
	clothing to salvage	reused	82125 lb/yr (Business estimate)	Company Data	0.00		
	miscellaneous items to salvage	reused	54750 lb/yr (Business estimate)	Company Data	0.00		
58	HVAC installation	phonesbook	4 lb/book	USEPA		24.00	
59	Water dist/ gov agency	mixed paper	363.5 lb/cy	USEPA		74,851.92	
		metal scrap	500 tons/yr (Business estimate)	Company Data		1,000,000.00	1,000,000.00
		wood pallet	15 pallets/yr 40 lb/pallet	USEPA	600.00		
		computer systems	600 units/yr 56 lb/system	USEPA	0.00		
		toner cartridge	2.5 lb/cartridge	USEPA	5,000.00		
		wood chips	2000 lb (Business estimate)	Company Data	2,000.00		
60	Retail Clothing	cardboard	4 lb/large box	USEPA		15,600.00	
61	Bakery	none					
62	Computer Systems	cardboard	40cy/wk 50 lb/cy	USEPA		104,000.00	
		wood pallet	40 lb/pallet	USEPA	52,000.00		
		toner cartrdge	2.5 lb/cartridge	USEPA	60.00		
63	Shipping	mixed paper	42.35 lb/55 gallon container full	USEPA		254.10	
		white ledger	duplex 50 lb/case	USEPA	150.00		
64	Engineering	paper	shredded/recycled 5 lb/ream	USEPA		30.00	
		steel drum	4 drums/yr 38 lb/drum	www.spill911.com	304.00		
		wood pallet	40 lb/pallet	USEPA	40.00		
		cardboard	2.2 lb/med box	USEPA	39.60		
		5 gallon plastic bucket	1.9 lb/bucket	USEPA	22.80		
		plastic drink bottles	.05 lb/bottle	USEPA	13.00		
65	Plastic Mfg	cardboard	4 tons/yr \$60 /ton 4times /yr	Company Data		8,000.00	
		wood pallet	3 pallets/week 40 lb/pallet	USEPA	6,240.00		
66	Restaurant	cardboard	27.5boxes/wk 2.2 lb/med box	USEPA		3,146.00	
		glass bottles	367 cases 12oz case @22lbs	USEPA		8,067.00	
		# 10 can	0.77 lb/can	USEPA	73.92		
67	Office Supplies	wood pallet	100/yr 40 lb/pallet	USEPA	4,000.00		
		toner cartrdge	returned & recycled 2.5 lb/cartrdge	USEPA		1,188.00	
		polystyrene packaging	reused 1.5 lb/33 gal full	USEPA	78.00		
		compactea cardboard	recycled 400 lbs/cy	USEPA		194,913.00	
68	Chair Mfg	cardboard	500 lb/day (Business estimate)	Company Data		130,000.00	
		wood pallet	200 pallets/yr 40 lb/pallet	USEPA	8,000.00		
		55- gal plastic drum	recycled 10 lb/drum	spill911.com	960.00		
		toner cartridge	returned 2cartrdges/mo 2.5 lb/cartridge	USEPA	60.00		
69	Plastic Pipe/Fittings Distr	glass bottles	0.5	USEPA		0.00	
		cardboard	80 sm bxs/day 1.1 lb/small box	USEPA	22,880.00		
		toner cartridge	returned 21cartrdges/yr 2.5 lb/cartridge	USEPA	52.50		
70	Injection Mold Mfg.	wood pallet	100 reuse:50 recycle 40 lb/pallet	USEPA	2,000.00	4,000.00	
		scrap metal	recycled 453 lb/yr (Business estimate)	Company Data		453.00	453.00
		white ledger	duplex 0.01 lb/sheet	USEPA	50.00		
		30 gal poly drums	reused 10 lb/drum	www.spill911.com	250.00		
		toner cartrdge	returned 2.5 lb/cartridge	USEPA	5.00		

Survey	Item	Activity	Conversion wt.	Source	Reuse	Recycling	Metals
71	Paper Mfg.	plastic film	recycled	800 lb/bale (Business estimate)	Company Data	1,040,000.00	
		cardboard	recycled	2 tons/day (Business estimate)	Company Data	1,040,000.00	
		pallets	recycled	100/wk sold-recycler 40 lb/pallet	USEPA	208,000.00	
72	Automotive Retail	automobile tires	recycled	20 lb/tire	USEPA	109,200.00	
		cardboard	recycled	850 lb/bale	Ecotelesis/USEPA	44,200.00	
		metal shavings	recycled	250 lb/mo (Business estimate)	Company Data	3,000.00	3,000.00
		plastic crates replace med. cardboard	reused	1.1 lb/small box	USEPA	2,860.00	
		damaged goods returned not disposed	returned	250 lb/week (Business estimate)	Company Data	13,000.00	
		wood pallet	returned	2 pallets/week 40 lb/pallet	USEPA	4,160.00	
		toner cartridge	returned	2.5 lb/cartridge	USEPA	7.50	
73	Auto Sales	cardboard	recycled	50 lb/cy	USEPA	41,666.66	
		scrap metal	recycled	500 lb/mo (Business estimate)	Company Data	6,000.00	6,000.00
		Newspaper	recycled	10in/week 12-in stack @35lbs	USEPA	1,517.00	
74	Misc. Retail	cardboard	recycled	850 lb/bale	Ecotelesis/USEPA	571,200.00	
		office paper	recycled	25.41 lb/33 gal	USEPA	2,642.64	
		wood pallet	reused	80 pallets/yr 40 lb/pallet	USEPA	3,200.00	
75	Print Shop	cardboard	recycled	2.2 lb/med box	USEPA	8,580.00	
		5 gal metal paint can	recycled	2.21 lb/can	USEPA	229.84	229.84
76	Manne - Mail Order	cardboard	reused/recycled	150/d reus: 15/d rec 2.2 lb/med box	USEPA	85,800.00	8,642.00
		newspaper	recycled	1.16 lb/paper	Ecotelesis	1,113.60	
		white ledger	recycled	4160 lb/yr (Business estimate)	Company Data	4,160.00	
		paper	shredded/reused	13 lb/day (Business estimate)	Company Data	338.00	
		wood pallet	reused	40 lb/pallet	USEPA	4,160.00	
		bubble wrap	reused	104 lb/yr (Business estimate)	Company Data	104.00	
		toner cartridge	returned	2.5 lb/cartridge	USEPA	21.50	
77	Drug Store	wood pallet	reused	56 Pallets/ yr 40 lb/pallet	USEPA	2,240.00	
		cardboard	reused	2.2 lb/med box	USEPA	2,002.00	
		toner cartridge	returned	2.5 lb/cartridge	USEPA	30.00	
78	Printing	mixed paper	recycled	24 tons/mo	Company Data	576,000.00	
		cardboard	recycled	50 lb/cy	USEPA	2,600.00	
		pallet	reused/recycled	Reused-300pallets/mo are reused; paper comes in on pallets and is bound into books and sent to point of sale or publisher not back to printer ;Recycled-100pallets/mo recycled by recycler 40 lb/pallet	USEPA	144,000.00	48,000.00
79	Drug Store	cardboard	recycled	850 lb/bale	Ecotelesis/USEPA	734,400.00	
		wood pallet	reused	42pallets/yr 40 lb/pallet	USEPA	1,680.00	
		plastic pallet	reused	42 pallets/yr 40 lb/pallet	USEPA	4,160.00	
		plastic reusable crate	replaces cardboard	2.2 lb/med box	USEPA	22,880.00	
		5 gallon plastic bucket	reused	1.9 lb/bucket	USEPA	45.60	
80	Equipmt Distr.	phonebook	recycled	12 books/ yr 4 lb/book	USEPA	16.00	
		computer paper	recycled	6 cases 50 lb/case	USEPA	3,600.00	
		cardboard	recycled	4 lb/large box	USEPA	480.00	

Survey		Item	Activity	Conversion wt.	Source	Reuse	Recycling	Metals
		white ledger	recycled	5 lb/ream	USEPA		1,600.00	
		newspaper	recycled	52 papers 1.16 lb/paper/day	EcoTelesis		60.32	
		styrofoam peanuts	reused	3 lb/wk (Business estimate)	Company Data	156.75		
		bubble wrap	reused	3 lb/wk (Business estimate)	Company Data	156.00		
		toner cartndge	returned	2.5 lb/cartidge	USEPA	60.00		
81	Senior Apartments	none						
82	Golf Course Maintenanc	55 gal plastic drum	recycled	23 lb/drum	spill911.com		138.00	
		pallets	reused	There is a deposit on the pallets. All pallets are returned to get back deposit. 120 pallets/yr are returned. 40 lb/pallet	USEPA	4,800.00		
		grass	grasscycling	90 acres 6.5 tons/acre/year	1996 ca turfgrass study	1,117,000.00		
82.1	Restaurant	cardboard	recycled	4cy/wk 50 lb/cy	USEPA		10,400.00	
		computer paper	recycled	52 cases/yr 50 lb/case	USEPA		2,600.00	
		5 gal bucket	recycled	102 buckets/yr 1.9 lb/bucket	USEPA		193.80	
		1 gal plastic jug	recycled	182 jugs 0.33 lb/jug	USEPA		60.06	
		wood pallet	returned	10 pallets/ yr 40 lb/pallet	USEPA	1,000.00		
83	Carpet/Flooring Sales an	carpet & padding, loose	recycled	84.4 lb/cubic yard	Tellus		119,264.00	
		cardboard	recycled	50 lb/cy	USEPA		6,500.00	
		wood pallet	recycled wholesale	208/yr 40 lb/pallet	USEPA		8,320.00	
84	Computer Supply	cardboard	recycled	40 lb/wk (Business estimate)	Company Data		2,080.00	
		cardboard	reused	25 lb/wk (Business estimate)	Company Data	1,300.00		
		bubble wrap	reused	4 lb/day (Business estimate)	Company Data	1,040.00		
		toner cartridge	returned	20 cartridges/yr 2.5 lb/cartidge	USEPA	50.00		
		white ledger	duplex	78 reams/yr 5 lb/ream	USEPA	390.00		
85	Metal Plate Mfg.	cardboard	recycled	50cy/week 50 lb/cy	USEPA		130,000.00	
		mixed paper	recycled	363.5 lb/cy	USEPA		56,706.00	
		stainless steel plating (since 1990)	recycled	1 ton/yr (Business estimate)	Company Data		2,000.00	2,000.00
		pallets	returned	400 pallets/ yr 40 lb/pallet	USEPA	16,000.00		
		toner cartridge	returned	24cartndges/mo 2.5 lb/cartidge	USEPA	60.00		
86	Misc. Retail	cardboard	recycled	8.5 bales/wk 850 lb/bale	USEPA		375,700.00	
		toner cartridge	recycled	3.5cartndges/yr 2.5 lb/cartndge	USEPA	8.75		
		pallets	reused	90 pallets/yr 40lb/pallet	USEPA	3,600.00		
87	Metal Furniture Mfg.	scrap metal	recycled	12 tons/yr (Business estimate)	Company Data		24,000.00	24,000.00
		wood pallet	reused	180pallets/yr 40 lb/pallet	USEPA	7,200.00		
88	Restaurant	cardboard	recycled	3cy/wk 50 lb/cy	USEPA		7,800.00	
89	Grocery Store	cardboard	recycled	10 bales/wk 850 lb/bale	USEPA		442,000.00	
		plastic pallet	reused	153/yr 40 lb/pallet	USEPA	6,120.00		
90	Church	paper	reused as scratch paper	50 lb/case	USEPA	1,300.00		

Survey	Item	Activity	Conversion wt.	Source	Reuse	Recycling	Metals
91	Bookstore	cardboard	recycled	350 boxes/wk 2.2 lb/med box	USEPA	40,040.00	
		newspaper	recycled	3.5 lb/day (Business estimate)	Company Data	1,120.00	
		wood pallet	reused	52pallets/yr 40 lb/pallet	USEPA	2,080.00	
		toner cartridge	returned	2.5 lb/cartridge	USEPA	130.00	
		white ledger	reused as scratch paper	60 lb/yr (Business estimate)	Company Data	60.00	
92	Purchasing	cardboard	recycled	50 lb/cy	USEPA	16,000.00	
		newspaper	recycled	4550lb/yr (Business estimate)	Company Data	4,550.00	
		Phonebooks	recycled	100 books/yr 4lb/book	USEPA	400.00	
		stretch wrap	recycled	3900 lb/yr (Actual Weight)	Company Data	28.80	
		mixed paper	recycled	42.35 lb/55 gal	USEPA	13,552.00	
		Shredded Papper	recycled	2250 lbs/yr (Actual Weight)		2,250.00	
		furniture donation	donated	15600 lb/yr (Actual Weight) Each year truckloads of furniture and computers are donated	Company Data	15,600.00	
		pallets	reused	40 lb/pallet	USEPA	800.00	
		scratch paper	reused as scratch paper	40 lb/yr (Actual Weight)	Company Data	40.00	
	93	Admissions	shredded paper	recycled	0.24 lb/gal	USEPA	1,560.00
white ledger			recycled	5 lb/ream	USEPA	260.00	
		phonebook	recycled	2 phonebooks/yr 4 lb/book	USEPA	8.00	
		on-line catalog	replaces catalogs mailed	.25 lb/catalog (Business estimate)	Company Data	25.00	
		on-line applications	replaces paper use	.01 lb/sheet	USEPA	104.00	
		plastic packaging reuse	reused	5 lb/yr (Business estimate)	Company Data	5.00	
		toner cartndge	returned	2.5 lb/cartridge	USEPA	30.00	
		totes replace medium cardboard box	reused	2.2 med box	USEPA	44.00	
94	Library	phonebook	recycled	250 phonebooks/yr 4 lb/book	USEPA	1,000.00	
		white ledger	recycled	5 lb/ream	USEPA	520.00	
		wood pallet	reused	70pallets/yr 40 lb/pallet	USEPA	2,800.00	
		magazine	donated exchange prog	Actual Weight 1000 lbs	Company Data	1,000.00	
		white ledger	reused as scratch paper	5 lb/ream	USEPA	780.00	
		toner cartridge	returned	2.5 lb/cartridge	USEPA	25.00	
95	Maintenance	mixed paper	recycled	363.5	USEPA	37,804.00	
		cardboard	recycled	4 lb/large box	USEPA	10,400.00	
		mattress	donated	Actual Weight 450	Company Data	450.00	
		white ledger	duplex	5 lb/ream	USEPA	50.00	
96	Machine Shop	steel shavings	recycled	40 lb/wk (Business estimate)	Company Data	2,080.00	2,080.00
		alum shavings	recycled	80 lb/wk (Business estimate)	Company Data	4,160.00	4,160.00
		newspaper	reused for packing	15 lb/wk (Business estimate)	Company Data	780.00	
97	Electronics	cardboard	recycled	30boxes/wk 2.2 lb/med box	USEPA	3,432.00	
		white ledger	duplex	104 cases/yr 50 lb/case	USEPA	5,200.00	
		white ledger	shredded/reused	5 lb/ream	USEPA	130.00	
		wood pallet	reused	Receives 20pallets/mo. Repairs 30pallets/mo repair and ship merchandise out. 360 pallets/yr repaired. 40 lb/pallet	USEPA	14,400.00	
	55 gal steel drum	returned	24drums/yr 38 lb/drum	www.spill911.com	912.00		

Survey		Item	Activity	Conversion wt.	Source	Reuse	Recycling	Metals
		toner cartridge	returned	180cartridges/yr 2.5 lb/cartridge	USEPA	450.00		
90	Wholesale Grower	none				0.00		
99	Retail Music	none				0.00		
100	Printing Machines	large pallet	reused	Large Pallet:120 lb/pallet (Business estimate) 3.5 pallets/week=21840lbs /yr; Merchandise shipped out on pallets.	Company Data	21,840.00		
		wood pallet	reused	4.5 pallets/wkr; Merchandise shipped out on pallets. 40 lb/pallet	USEPA	9,360.00		
		styrofoam kernels	reused	78 lb/yr (Business estimate)	Company Data	78.00		
101	Manufacturing	Metal	recycled (started 1993)	15298 lb/yr (Business estimate)	Company Data		15,298.00	15,298.00
		wood crate	reused	720 lb/yr (Business estimate)	Company Data	720.00		
		wood pallet	reused	120 pallets/yr 40 lb/pallet	USEPA	4,800.00		
		toner cartridge	returned	2.5 lb/cartridge	USEPA	6.25		
					Total Pounds	2,261,508.09	8,826,457.16	1,336,127.29
					Total Tons	1,130.75	4,413.23	666.06