

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:

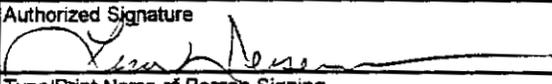
California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

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 Gilroy		County Santa Clara	
Authorized Signature 		Title Environmental Services Coordinator	
Type/Print Name of Person Signing Lisa Jensema		Date	Phone () 408-847-7865
Person Completing This Form (please print or type) Christina Hanson/Mark White		Title Consultant	
Affiliation:	Pacific Waste Consulting Group		
Mailing Address 5714 Folsom Boulevard #240		City Sacramento	State CA
			ZIP Code 95819
E-mail address	chris@pwcg.net		

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 (e.g., 4).

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

1. Current Board-approved base-year:	2. Proposed new generation-based study year:
1990	2000

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

The data in this generation study is representative of average disposal and diversion in the City of Gilroy. There were no unusual occurrences (eg. flood, unusual construction activity) that would result in other than normal diversion or disposal. The original base year is old, inaccurate and does not accurately represent the City and its diversion programs as they are today. The proposed study more accurately represents the overall generation and the diversion programs operating in an average year. All diversion included in this study is from programs that operate on an ongoing basis. The sludge use as ADC is included in the new base year. It started in 2001, but is expended to

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. 25 %	Diversion rate calculated using new generation-based study	b. 59 %
For existing base year pounds/person/day based on generation	6.5	For new generation based study pounds/person/day based on generation	17.6
Residential generation 21 %	Non-Residential Generation 79 %	Residential generation 21% %	Non-Residential generation 79% %
31487		Population new generation-based study 40150	

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.

The new diversion rate is consistent with current diversion efforts in the City. The generation study includes diversion from City and hauler programs as well as that from an extensive business survey that included on-site waste audits of the larger generators in the City. The study includes diversion from other recycling service providers and source reduction methods that are NOT reflected in the original base year. The increase in the lbs/person/day is attributed to the increase in generation. This is due to identifying the large amount of diversion ongoing in several businesses (none of which was included in the original base year). The population only slightly increased (28 percent growth), but the generation increased greatly (over 170 percent). As shown by the new diversion rate, the majority of the materials are being diverted.

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.)

There is a significant increase between the existing and the proposed diversion rates. The increased diversion rate is attributed to newly implemented or expanded diversion programs as well as the identification of diversion that was missed in the original base year. The new or expanded programs include City inerts diversion and grasscycling. The diversion missed in the original base year include the use of recyclers other than the waste hauler and internal recycling and source reduction methods among the larger generators in the City. This diversion accounts for the majority of the City's diversion efforts.

7. Disposal Tonnage: (enter values)	17333	35537	52870
	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 Percentage of Total Generation	Specific material (Waste) (List operation with multiple materials in one box)	Specific diversion 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 http://www.ciwmb.ca.gov/lgcentral/parts/codes/reduce.htm					
Residential Activities:					
Source Reduction					
Backyard composting	1	0.0%	Food waste	600 lbs/yr. Alameda Co. study	County records
Grasscycling		0.0%			
Other Residential source reduction (list each program separately)					
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%			
Subtotal Residential Source Reduction	1	0.0%			
Recycling					
Curbside Recycling	3557	2.0%	Paper, glass, plastic, metals.	Actual tonnage	Hauler records
Buyback centers	2507	2.0%	Glass, plastic, metals, paper	2,313,848 lbs	DOC report
Drop-off centers					
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation for multiple materials in 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 http://www.ciwmb.ca.gov/central/parts/codes/raduce.htm					
Subtotal Residential Recycling	6064	4.7%			
Composting					
Green Waste drop-off					
Curbside green waste	3813	3.0%	Green Waste	Actual tonnage	Hauler records
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					
Subtotal Residential Composting	3813	3.0%			
Subtotal Residential Diversion	9878	7.7%			
Non-Residential Activities					
Source Reduction					
Non-Residential Waste Audits	16001	12.5%		See Section 9	
Other non-Residential source reduction (list each program separately)					
City Green Waste	910	0.7%	Green Waste/Grasscycling	.35 lbs/square foot (CIWMB)	City records
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	16911	13.2%			
Recycling					
Non-Residential Waste Audits	36091	28.2%		See Section 9	
Other non-Residential recycling (list each program separately)					
City Inerts	7719	5.0%	Asphalt	142.5 lbs/cu ft. Asphalt Institute	City records
Material Handler	1430	1.1%	OCC, Paper	5.5 tons/day (5 days/wk)	Phone Survey
Commercial from Hauler	162	0.1%	OCC	Tons reported by month	Hauler records
Subtotal Non-Residential Recycling	45402	35.5%			
Composting					
Non-Residential Waste Audits	2203	7%		See Section 9	

Diversion Activity	Actual tons	Residual Percent to Total Generation	Specify material type(s) (List operation with a box in the box)	Specific conversion factor (any) and Source	Type of record and location of record
Please use the Board's program types. The program types glossary online at http://www.cwmp.ca.gov/ocentral/bars/codes/reduce.htm					
Other non-Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	2203	1.7%			
Subtotal Non-Residential Diversion	64516	50.4%			
Residential/Non-Residential Diversion Activities					
ADC	660	0.5%	Green Waste, C&D	Actual tonnage	DRS
Sludge					
Scrap metal					
Construction and demolition					
Landfill salvage					
Subtotal Residential/Non-Residential diversion	660	0.5%			
Total Diversion Tons	75054	58.7%			
Total Disposal Tons from Sec.7	52870	41.3%			
Total Generation Tons (Div+Dis)	127924				

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 B)	Survey Method (Source B, Table 1) or Site (O) or Other
Processing Facility	A-00-03	Recycling of OCC, plastic, scrap metal, food waste and pallets. Source reduction of pallets, food waste, and plastic.	5051	19656	0	24706.8	19.6%	O
Packaging	A-00-02	Recycling of OCC, pallets, wood scrap, plastic scrap, steel scrap. Reuse of plastic, wood, pallets and OCC.	4338	9258	0	13595.832	10.6%	O
Government	C-00-02	Recycling of Asphalt	0	7719	0	7719	6.0%	P
Food Store	S-00-37	Recycling of OCC, food waste, tallow. Source reduction of food waste.	317	1479	2001	3797.6559	3.0%	P
Retail Store	S-00-65	Recycling of OCC, reuse of pallets	780	1109	0	1889.333333	1.5%	O
Retail Store	A-00-04	Recycling of OCC, plastic, glass, pallets; Reuse of pallets, and old equipment repair.	1456	250	0	1706	1.3%	P
Thrift Store	S-00-51	Reuse of used clothing and household items	982	0	0	981.98442	0.8%	P
Golf Course	S-00-15	Grasscycling	892	0	0	891.891	0.7%	O
Packaging	A-00-07	Recycling of OCC and pallets	780	0	0	780	0.6%	O
Food Store	S-00-50	Recycling of OCC, plastic, food waste.	0	346	202	547.6	0.4%	P
Totals			14595.618	39817.1792	2202.51	56615.30756	44.3%	

Summarize the non-residential diversion activities quantification methodology and applicable conversion factors.

- 1) Processing Facility: This business was audited and all diversion activities and volumes were personally observed or estimated by the Facilities/Recycling Manager. Recycled OCC is baled and shipped to various markets. They do not use any of the recyclers we surveyed. They stated that they shipped, on an average week, six 900-pound bales every week, to total 140 tons diverted in 2000. The large plastic bin liners are baled and shipped to recyclers (not ones we surveyed); approximately 36 900-pound bales annually, totalling 16.2 tons. Processed food skins (industrial waste) are processed (skins removed), mulched, and shipped to a 300-acre farm for use. They ship, on average, ten 15,000-pound truckloads daily (used 5-day week). They stated that twenty 15,000-pound truck loads of the food skins are used as cattle feed. Both these programs began in 1995 and total 19,500 tons. Plastic totes and drums are repaired and reuse; approximately 750 per day are saved for repair, reuse, or donation to farmers when they have a surplus. At 7 lbs each (contact estimate), the total diversion is 682.5 tons. Wooden pallets are reused. Pallets received in shipments are used to ship product. They stated that 15-20 (we used 17.5 as an average) truckloads carrying 48 palletized loads or product are sent out daily, at 40 lbs/pallet, (USEPA) to total 4,368 tons diverted.
- 2) Packaging Facility: This business was audited and all diversion activities and volumes were personally observed or confirmed by the General Manager. In 2000, they stated that 177 compacted cubic yards of OCC (from manufacturing processes) were recycled daily with a recycler that we did not survey (so no double counting). At 400 lbs/compacted cu yd, they recycle 9,244 tons annually. Wooden core ends from sheets of paper wrap are recycled at a lumber mill. They stated 90 lbs daily, 5 days per week, are recycled to total 11 tons annually. Four cubic yards of plastic scrap are recycled every 3 months and are sent to a plastic manufacturer. At 341 lbs per cubic yard (Tellus) they recycle 2.7 tons annually. Twenty eight 5-gallon buckets from ink are sent to a facility where they are recycled and reused. At 1.9 lbs/each (USEPA), they divert 1.4 tons annually. Each month, 5 wooden rollers (from printing dies) are sent back to the manufacturer for repair and reuse. At 30 lbs/each (contact estimate), they divert 0.9 tons annually. One-trip wooden pallets are reused, repaired or recycled. All pallets that are shipped out, are retrieved with the next load so they can be repaired in their shop and reused. Each day, 800 pallets, at 40 lbs/pallet (USEPA), are retrieved, repaired and reused, resulting in 4160 tons of diversion. Cardboard cores from sheets of paper are returned to the manufacturer for reuse and recycling. 180 rolls daily, at approximately 7.5 lbs/each (contact estimate), result in 175.5 tons of diversion.
- 3) The City recycles the asphalt that is removed in all street and road repair projects. In 2000, the City removed 1.3 million square feet of asphalt at a depth of one inch. The material was reused in asphalt paving projects. These numbers were provided by the City and documented in Appendix C of the Waste Generation Study. We multiplied the 108,333 cubic feet by 142.5 lbs/square foot (Caltrans/Asphalt Institute), to arrive at 7,719 tons of material diverted.
- 4) Large Grocery Store: All data was obtained by a phone survey with the warehouse manager. In 2000, they stated that 142 cubic yard of compacted OCC was recycled weekly through a corporate program. At 400 lbs/compacted cu yd (USEPA), they recycle 1479 tons annually. One 32-gallon bag per week of plastic is recycled through a corporate program. At 4.81 lbs/bag (UCLA), they recycle 0.12 tons annually. Food waste is sent through the corporate program to be composted. They stated that 53.3 cubic yards of material are sent out weekly; at 1443 lbs/cubic yd (Tellus), they recycle 2000 tons annually. Other food waste is donated. They stated 210 pounds weekly is donated through this program, resulting in 5.5 tons of diversion annually. Pallets are sent back to corporate for repair and reuse. They stated that 300 pallets weekly are sent out, at 40 lbs/each (USEPA), resulting in 312 tons of annual diversion.
- 5) Large Retail Warehouse: All data was obtained by a phone survey with the store manager. In 2000, OCC was recycled through a corporate program. On an average week, 107 compacted cubic yards weekly are recycled. At 400 lbs/cu yd (USEPA), they recycle 1109 tons annually. Pallets are also sent to corporate for repair and reuse. The store claimed 750 pallets weekly (at 40 lbs/ea - CIWMB) are sent back, resulting in 780 tons diverted.
- 6) Large Retail Warehouse: This business was audited and all diversion activities and volumes were personally observed or estimated by the General Manager. OCC is recycled through a corporate program. They stated that 3 compacted cubic yards daily are sent out, at 400 lbs/cu yd (USEPA), resulting in 216 tons of diversion. Aluminum cans are recycled by employees. One 32-gallon bag daily is recycled, at 14.6 lbs/bag (USEPA), resulting in 2.7 tons diversion. Equipment that is traded in or damaged, is repaired and resold. They stated 1,155 items are repaired annually, at an average of 145.5 each (average chainsaw, lawnmower - LA Study), resulting in 26.3 tons of diversion. They stated that 25 pounds of plastic shrink wrap is sent back to corporate daily, resulting in 4.6 tons of diversion. Pallets, 200 per day, are sent back to corporate for repair and reuse. At 40 lbs/each (USEPA), 1456 tons are diverted annually.
- 7) Large Thrift Store: This business was audited and all diversion activities and volumes were personally observed or estimated by the General Manager. All items received at this store are sent to the corporate distribution center for cleaning and repair. The distribution center sends items to the store to be sold. The items

7) Large Thrift Store: This business was audited and all diversion activities and volumes were personally observed or estimated by the General Manager. All items received at this store are sent to the corporate distribution center for cleaning and repair. The distribution center sends items to the store to be sold. The items received from corporate may not be the exact items received from residents, but shipments in and shipments out are constant. We quantified the items received from corporate, because these are the items that would be counted against the City if they were disposed. Shipments from corporate are received daily. They stated that 50 'totes' of household items are received daily, average weight 25 lbs each (employee estimate), totalling 227.5 tons annually. Clothing are received in 'bullets' that contain an average of 600 items each. They stated that 4-5 bullets are received daily, or an average of 2750 items at 1 lb/each (industry-wide estimate), to total 502 tons annually. Approximately 15 percent of the clothing is rejected, so 75 tons of diversion was subtracted from our total calculations. They stated 8-9 (we used 8.5) items of large furniture are received daily (avg. 75 lbs/each - employee estimate) totalling 82.9 tons of diversion. They stated 8-9 (we used 8.5) large appliances are received daily, at an average of 97 lbs/each (average Tellus estimate for fridges and stoves), for a total of 155 tons annually. We used an avg conversion Books are received in crates, 15 crates per day. At 15-30 (we used 22.5, the average) books per crate, at 1.48 lbs/per book (avg hard cover/soft cover book - LA Study), this results in 91 tons annually. Other than clothing, all items are kept until sold, so no additional deductions were made.

8) Golf Course: All data was obtained by a phone survey with the maintenance manager. This golf course grasscycles at 117 acres of the golf course. This does not count the paved areas, building areas, or putting greens where grasscycling cannot be practiced. At 0.35 lbs/sq foot (CIWMB), using 43,560 sq feet per acre, this results in 892 tons of diversion annually.

9) Packaging Facility: This business was audited and all diversion activities and volumes were personally observed or estimated by the General Manager. This facility repairs pallets received and reuses them in shipping. They stated that 150 pallets daily (5 days/week) are reused, at 40 lbs/each (USEPA) for a total of 780 tons annually.

10) Food Store: This business was surveyed by phone and annual tonnages from recycling reports were provided by the corporate offices. They reported 337.9 tons of cardboard, 7.71 tons of plastics, and 201.6 tons of food and produce are recycled through the corporate program annually.

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).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Pull Down for Waste Types ▼	*** See Attachment 10 for Complete List***		
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 ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, 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 10b for that waste type and program.

Instead please provide date of Board approval of preciously submitted information. _____ (Date)

If documentation is not available, go to 10d.

- 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)]).
- 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 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
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 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 ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

ATTACHMENT 10

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).

PROGRAMS STARTING ON OR AFTER JANUARY 1, 1990:

Restricted Waste Type	Specific Program name	Year started	Tonnage
Scrap Metal	Recycling of Scrap Metal - Sheet metal sold to recycler	1998	47
Scrap Metal	Recycling of Scrap Metal - Ferrous scrap sold to scrap dealer/recycler	1995	294
Scrap Metal	Recycling of Scrap Metal - Ferrous scrap sold to scrap dealer/recycler	1992	42
Scrap Metal	Recycling of Scrap Metal - Ferrous scrap sold to scrap dealer/recycler	1998	168
Scrap Metal	Recycling of White Goods - Delivered to appliance recycler	1995	202
Inert Solids	Recycling of Asphalt by City Public Works - recycled into new asp	1995	7,719
			8,472

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, 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 10b. Instead please provide date of Board approval of previously submitted information. _____ (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC Sec. 41781.2
- 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
- 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 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

PROGRAMS STARTING BEFORE JANUARY 1, 1990 MEETING CRITERIA:

Restricted Waste Type	Specific Program Name	New base year or reporting year

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 PROGRAMS STARTING BEFORE JANUARY 1, 1990 NOT MEETING CRITERIA:

Restricted Waste Type	Specific Program name	New base year or	1990 diversion	Difference
Scrap Metal from Business Surveys	Recycling of Scrap Metal - sold to recycl	545	1776*	
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				

* The diversion counted in the SRRE exceeds the pre-SRRE diversion in the new base year, so none of the tons can be counted for the new base year.

S-00-01 Retail - Other		Recycling	OCC	66	yard bin	weekly	RIR	108.00	lbs/cu yd	CIWMB	-	156	156.00
		Source Red.	Pallets	24	pallets	bi-monthly	scavenger	40.00	lbs/pallet	CIWMB	12.48	-	12.48
Subtotal (Tons)													
S-00-02 Retail - Other		Recycling	Al	32	gallons	2 weeks		14.60	lbs/33 gallons	USEPA	-	0.18404848	0.18
Subtotal (Tons)													
S-00-03 Retail - Automotive Service		Recycling	OCC	70	med boxes	daily	scavenger	2.20	lbs/med box	CIWMB	-	28.024	28.03
		Recycling	Other metals	20	lbs	weekly	parts to suppliers				-	0.52	0.52
Subtotal (Tons)													
S-00-04 Mfg - Electronic													
Subtotal (Tons)													
S-00-05 Services - Other Misc		Source Red.	OCC	100	lbs	weekly	sorted				-	2.6	2.60
		Source Red.	Textiles	650	cs	semi-annually	donations of upholstery scrap & books to schools and church				-	0.65	0.65
Subtotal (Tons)													
S-00-06 Retail - Automotive Service													
Subtotal (Tons)													
S-00-07 Mfg - Lumber/Wood													
Subtotal (Tons)													
S-00-08 Other		Recycling	Al	132	gal bag	weekly		14.60	per 33 gal	USEPA	-	0.3796	0.38
Subtotal (Tons)													
S-00-09 Mfg - Metal		Recycling	Fe	4	cu yd bin	bi-monthly	sorted program in 1998	906.00	lbs/cu yd	USEPA	-	47.112	47.11
		Recycling	Other metals	4	cu yd bin	2x annually	Chascom metal pick-up sheet metal	1093.52	lbs/cu yd	Tclha	-	4.37408	4.37
Subtotal (Tons)													
S-00-10 Retail - Other		Recycling	Paper	10	trucks	weekly	shredded	5.00	lbs/ream	CIWMB	-	1.3	1.30
		Recycling	Fe	12.5	cu yd bin	weekly	sorted program in 1995	996.00	lbs/cu yd	USEPA	-	294.45	294.45
		Source Red.	Pallets	8	pallets	weekly	reuse	40.00	lbs/pallet	CIWMB	5.2	-	5.20
Subtotal (Tons)													
S-00-11 Services - Other Misc													
Subtotal (Tons)													
S-00-12 Mfg - Metal		Recycling	Other metals	4	cu yd bin	weekly	Shetty Metals - Aluminum	175.00	lbs/cu yd	Tclha	-	18.2	18.20
Subtotal (Tons)													

S-00-13 Services - Business											
Recycling	Al		1 bag	weekly	employees	14.60	crushed/uncrushed	USRPA		0.3796	0.38
Recycling	Wood		30 pallets	monthly	recycler	40.00	lbs/pallet	CIWMB		7.20	7.20
Source Red.	Pallets		20 pallets	monthly	reuse	40.00	lbs/pallet	CIWMB	4.8		4.80
Subtotal (Tons)											12.38
S-00-14 Mfg - Industrial											
Subtotal (Tons)											-
S-00-15 Services - Other Professional											
Source Red.	Green waste		5,896.520 sq ft	annually		0.35	lbs/sq ft	CIWMB	891.891		891.89
Subtotal (Tons)											891.89
S-00-16 Mfg - Embroidery											
Recycling	Al		1 bag	monthly		14.60	lbs/33 gal crushed/uncrushed	USEPA		0.0876	0.09
Source Red.	OCC		3 boxes	weekly	used for outgoing packaging	2.20	lbs/min box	CIWMB	0.1716		0.17
Source Red.	Pallets		4 pallets	weekly		40.00	lbs/pallet	CIWMB	4.16		4.16
Subtotal (Tons)											4.42
S-00-17 Mfg - Paper Mills											
Source Red.	Pallets		10 pallets	weekly		40.00	lbs/pallet	CIWMB	10.4		10.40
Subtotal (Tons)											10.40
S-00-18 Services - Other Professional											
Recycling	Green waste		1,900 lbs	weekly						39	39.00
Source Red.	Green waste		435,600 lbs/sq ft	annually	recycled	0.35	lbs/sq ft	CIWMB	76.23		76.23
Subtotal (Tons)											115.23
S-00-19 Retail - Auto Detail Service											
Recycling	OCC		5 yd bin	weekly	truck hauler	100.00	lbs/cu yd uncompactd	CIWMB		13	13.00
Recycling	Al		15 gallons	weekly	employees	14.60	crushed/uncrushed	USRPA		0.172545455	0.17
Recycling	Other metals		100 lbs	weekly	to church group	906.00	lbs/cu yd	USEPA		2.6	2.60
Subtotal (Tons)											15.77
S-00-20 Construction											
Recycling	Al	3.555555556	4x4x6 bale	biweekly	Sharon metals	175.00	lbs/cu yd	Tellus		8.88888889	8.09
Recycling	Fe	3.555555556	4x4x6 bale	biweekly	Sharon metals	906.00	lbs/cu yd	USRPA		41.87733333	41.88
Recycling	Other metals	7.111111111	4x4x6 bale	biweekly	Sharon metals	1093.52	lbs/cu yd	Tellus		101.0898489	101.09
Recycling	Wood		10 pallets	monthly	recycled	40.00	lbs/pallet	CIWMB		2.4	2.40
Source Red.	Pallets		20 pallets	weekly	reused	40.00	lbs/pallet	CIWMB	20.8		20.80
Subtotal (Tons)											174.26
S-00-21 Retail - Food Store											
Recycling	OCC	3.555555556	4x4x6 bale	weekly	RJR recycling go back with truck exchange	400.00	lbs/cu yd compacted	USEPA		36.91777778	36.98
Source Red.	Pallets		16 pallets	weekly		40.00	lbs/pallet	CIWMB	16.64		16.64
Subtotal (Tons)											53.62
S-00-22 Mfg - Textile Mill											
Recycling	Plastic		30 gallons	monthly	Martine recycling	15.00	lbs/55 gallons	UCLA Shoch		0.049090909	0.63
Source Red.	Pallets		3.5 pallets	weekly avg	reused	40.00	lbs/pallet	CIWMB	3.64		3.64
Subtotal (Tons)											3.69
S-00-23 Services - Other Professional											
Recycling	Green waste		2,178,000 sq ft	annually	recycled	0.35	lbs/sq ft	CIWMB		581.15	381.15
Subtotal (Tons)											381.15

S-00-24 Retail - Automotive Service												
Recycling	OCC	7.66666667	10-12 ft truck	weekly	hauler unknown	100.00	lb/cu yd uncompactd	CIWMB	-	6.93333333	6.93	
Recycling	Paper	72	10-12 ft truck	weekly	"	58.00	lb/cu ft	CIWMB	-	108.576	108.58	
Recycling	Al	2	bags	weekly	"	14.60	lb/3galhs crushed/uncrushed	USEPA	-	0.7592	0.76	
Subtotal (Tons)		116.27										
S-00-25 Construction												
Source Red.	Pallets		30 pallets	weekly		40.00	lb/pallet	CIWMB	52	-	52.00	
Subtotal (Tons)		52.00										
S-00-26 Retail - Automotive Service												
Recycling	OCC	5.92592592	8x8x5 truckloads	q 3 months	recycling co (source did not know name)	100.00	lb/cu yd uncompactd	CIWMB	-	1.185185185	1.19	
Recycling	Paper	160	8x8x5 truckloads	q 3 months	recycling co (source did not know name)	58.00	lb/cu ft	CIWMB	-	18.56	18.56	
Recycling	Al	1	bag	weekly	employees	14.60	lb/33 gal crushed/uncrushed	USEPA	-	0.3796	0.38	
Recycling	Plastic	2	drums	monthly	recycling co (source did not know name)	15.00	lbs/55 gallon	UCLA Study	-	0.18	0.18	
Subtotal (Tons)		20.30										
S-00-27 Mfg - Printing/Publishing												
Recycling	OCC		50 med boxes	every 4 mo	postage	2.20	lb/med box	CIWMB	-	0.165	0.17	
Source Red.	Pallets		2 pallets	weekly	return to supplier	40.00	lb/pallet	CIWMB	2.08	-	2.08	
Subtotal (Tons)		2.25										
S-00-28 Trucking/Wholesale												
Source Red.	Pallets		30 pallets	monthly		40.00	lb/pallet	CIWMB	7.2	-	7.20	
Subtotal (Tons)		7.20										
S-00-29 Services - Other Professional												
Subtotal (Tons)		-										
S-00-30 Retail - General Merchandise												
Source Red.	Pallets		10 pallets	weekly	scrappers	40.00	lb/pallet	CIWMB	10.4	-	10.40	
Subtotal (Tons)		10.40										
S-00-31 Retail - General Merchandise												
Recycling	OCC	6.66666667	3x5x4 bales	weekly	comp truck	400.00	lb/cu yd compacted	USEPA	-	69.33333333	69.33	
Source Red.	Pallets		30 pallets	weekly	comp truck	40.00	lb/pallet	CIWMB	31.2	-	31.20	
Source Red.	On Cng		3 lbs	weekly	donated				0.13	-	0.13	
Subtotal (Tons)		100.66										
S-00-32 Mfg - Metal												
Subtotal (Tons)		-										
S-00-33 Retail - Other												
Recycling	OCC		3 boxes	weekly	recycling co (source did not know name)	2.20	lb/med box	CIWMB	-	0.286	0.29	
Recycling	Al		1 bag	weekly	employees	14.60	lb/33gal crushed/uncrushed	USEPA	-	0.3796	0.38	
Subtotal (Tons)		0.67										
S-00-34 Retail - General Merchandise												
Subtotal (Tons)		-										
S-00-35 Services - Home/Personal												
Subtotal (Tons)		-										

S-00-36 Misc. Other												
Recycling	OCC	59.25925926	8x10x20 bin	monthly		100.00	lb/cu yd unrecycled	CIWMB	-	35.55555556		35.56
Recycling	Plastic	2	cu rd	annually	solid	341.00	lb/cu rd	Telhar	-	0.341		0.34
Recycling	Waste	2	pallet	monthly	scavenger	40.00	lb/pallet	CIWMB	-	0.48		0.48
Source Red.	Plastic	5000	lb	annually	recycled				2.5			2.50
Source Red.	Pallets	2	pallets	monthly	scavenger	40.00	lb/pallet	CIWMB	0.48			0.48
Subtotal (Tons)											99.36	

S-00-37 Retail - Food Store												
Recycling	OCC	142.2222222	4x4x6 bale	weekly	sent to coop for recycling	400.00	lb/cu rd compacted	USEPA	-	1479.111111		1,479.11
Recycling	Plastic	1	32 gal bag	weekly	to coop	4.80	lb/32 gal	UCLA Study	-	0.1248		0.12
Recycling	Qty Org.	55.33333333	cu rd	weekly	composted	1443.00	lb/cu rd mixed loose	Telhar	-	0	2000.96	2,000.96
Source Red.	Pallets	300	pallets	weekly		40.00	lb/pallet	CIWMB	312			312.00
Source Red.	Qty Org.	210	lb	weekly	donated food				5.46			5.46
Subtotal (Tons)											3,797.66	

S-00-38												
Subtotal (Tons)											-	

S-00-39 Retail - Food Store												
Recycling	OCC	7.111111111	4x4x6 bale	weekly	mix OCC/of paper baled (84lb/cu ft = of paper) 400	943 (avg OCC)	lb/cu rd	CIWMB	-	181.7457778		181.75
Source Red.	Pallets	30	pallets	weekly	compacted OCC to coop	40.00	lb/pallet	CIWMB	31.2			31.20
Subtotal (Tons)											212.95	

S-00-40 Retail - Building Material												
Subtotal (Tons)											-	

S-00-41 Wholesale - Durable												
Source Red.	Pallets	7.5	pallets	weekly	reuse	40.00	lb/pallet	CIWMB	7.8			7.80
Subtotal (Tons)											7.80	

S-00-42 Wholesale - Durable												
Subtotal (Tons)											-	

S-00-43 Retail - Food Store												
Source Red.	Pallets	2	pallets	weekly	scavenger	40.00	lb/pallet	CIWMB	2.08			2.08
Subtotal (Tons)											2.08	

S-00-44 Wholesale - Durable												
Subtotal (Tons)											-	

S-00-45 Misc - Chemicals												
Source Red.	Pallets	30	pallets	daily		40.00	lb/pallet	CIWMB	156			156.00
Subtotal (Tons)											156.00	

S-00-46 Retail - General Merchandise												
Recycling	OCC	3.555555556	bales	weekly	comp truck	400.00	lb/cu rd compacted	CIWMB	-	36.97777778		36.98
Source Red.	Pallets	23	pallets	weekly	comp truck	40.00	lb/pallet	CIWMB	23.92			23.92
Subtotal (Tons)											60.90	

S-00-47 Wholesale - Durable												
Subtotal (Tons)											-	

S-00-48 Wholesale - Durable												
Subtotal (Tons)											-	

S-00-49 Retail - Other												
	Recycling	OCC		5 18 yd bins	weekly	RJ Environmental Sec	100.00	lb/cu yd uncompact	CIWMB		13	13.00
Subtotal (Tons)			13.00									
S-00-50 Retail - Food Service												
	Recycling	OCC		337.9 tons	annually	received report from HQ		actual tonnage provided			337.9	337.90
	Recycling	Plastic		7.71 tons	annually	received report from HQ		actual tonnage provided			7.71	7.71
	Recycling	Otr Org		201 tons	annually	composted produce and bone & fat		actual tonnage provided			201.55	201.55
Subtotal (Tons)			547.16									
S-00-08 Retail - General												
	Recycling	White Goods		30 appliances	weekly	started program in 1995	259.50	lbs/mixed fridge/washer	Tellus		202.41	202.41
	Source Red	Pallets		12 pallets	monthly	San Martins	40.00	lbs/pallet	CIWMB	2.88		2.88
Subtotal (Tons)			205.29									
S-00-52 Retail - Automotive Service												
	Recycling	OCC		23.22222222 5x5x12 bales	weekly	San Martins	100.00	lbs/cu yd loose	CIWMB		57.77777778	57.78
	Recycling	Pt		30 lbs	monthly						0.12	0.12
Subtotal (Tons)			57.90									
S-00-53 Retail - Automotive Service												
Subtotal (Tons)			-									
S-00-54 Misc - Lumber/Wood												
	Recycling	Wood		40 cu/yd	weekly	All Points Roll-Off	329.50	lbs cu/yd	Tellus		342.68	342.68
	Source Red	Pallets		15 pallets	weekly	Quik crate	40.00	lbs/pallet	CIWMB	15.6		15.60
Subtotal (Tons)			354.28									
S-00-55 Services - Other Misc												
	Recycling	Al		13 pallets	weekly	recycle unknown acid donations	2.21	lbs/13 gal bag uncooled	USEPA		0.74698	0.75
	Source Red	Otr Org		240 bags of food	daily		10.00	lbs/bag	Contract estimate	312		312.00
Subtotal (Tons)			312.75									
S-00-56 Retail - Other												
	Recycling	OCC		4 444444444 45 5x5x12 bales	weekly	back to coop	400.00	lbs/cu yd compacted	CIWMB		46.22222222	46.22
	Source Red	Pallets		12.5 pallets	weekly	back to coop	40.00	lbs/pallet	CIWMB	13		13.00
Subtotal (Tons)			59.22									
S-00-57 Misc - Food/Kindred												
	Recycling	OCC		40 yd bin	weekly	R/R Recycling	100.00	lbs/cu yd uncompact	CIWMB		104	104.00
Subtotal (Tons)			104.00									
S-00-58 Services - Other Misc												
Subtotal (Tons)			-									
S-00-59 Misc - Metal												
	Recycling	OCC		208 lbs	monthly	San Martins	12 months	lbs/2000			1.2	1.20
	Recycling	Al		2.37837037 cu yd	weekly	Sharon metals reuse	175.00	lbs/cu yd	Tellus		10.78918519	10.79
	Source Red	Pallets		50 pallets	weekly		40.00	lbs/pallet	CIWMB	52		52.00
Subtotal (Tons)			63.99									
S-00-60 Misc - Food/Kindred												
	Recycling	ONP		20 lbs/cu yd	weekly	Weyerhaeuser recycled	875.00	lbs/cu yd stacked	USEPA		458	458.00
	Recycling	Wood		24 pallets	monthly		40.00	lbs/pallet	CIWMB		5.76	5.76
Subtotal (Tons)			460.76									

S-00-01		Misc. Printing / Publishing									
Source Red	Pallets		73 pallets	weekly	returned	40.00	lbs/pallet	CIWMB	78		78.00
Subtotal (Tons)											78.00
S-00-02		Services - Other Misc.									
Recycling	Other metals		2 wheels	weekly		15.00	lbs/wheel	industry estimate		0.78	0.78
Recycling	Tires		16,200 tires	annually	30% recycled	20.00	lbs/car tire	USEPA		48.4	48.40
Source Red	Tires		16,200 tires	annually	20 % reused	20.00	lbs/car tire	USEPA	32.4		32.40
Subtotal (Tons)											81.78
S-00-03		Misc. Insurance									
Subtotal (Tons)											-
S-00-04		Misc. Insurance									
Recycling	OCC		3,533,333 cu yd baled	monthly		400.00	lbs/cu yd	CIWMB		8,533,333	8.53
Recycling	Al		2,962,962 cu yd	monthly		175.00	lbs/cu yd	Tellus		3,111,111	3.11
Source Red	Pallets		3 pallets	weekly	reused	40.00	lbs/pallet	CIWMB	3.12		3.12
Subtotal (Tons)											14.76
S-00-05		General Merchandise									
Recycling	OCC		108,666,667 cu yd baled	weekly	amutic recycling, 3.5 cu yd ea	400.00	lbs/cu yd compacted	CIWMB		1109,333,333	1,109.33
Source Red	Pallets		730 pallets	weekly		40.00	lbs/pallet	CIWMB	780		780.00
Subtotal (Tons)											1,889.33
S-00-06		Transportation									
Source Red	Tires		10 tires	weekly	SJ Commercial tire/ 95 % reused, 5% disposed	80.00	lbs/truck tire	USEPA	19.76		19.76
Subtotal (Tons)											19.76
S-00-07		Packaging									
Source Red	Pallets		2 pallets	monthly		40.00	lbs/pallet	CIWMB	0.48		0.48
Subtotal (Tons)											0.48
S-00-08		Agriculture / Fisheries									
Recycling	Org Org		1,204,800 sq ft	annually	grass/cropland	0.33	lbs/sq ft	CIWMB		228.69	228.69
Subtotal (Tons)											228.69
S-00-09		Misc. Paper/Alcoid									
Recycling	OCC		177,777,778 cu yd baled	daily	44x45 sized boxes/mfg co makes into other products	400.00	lbs/cu yd compacted	CIWMB		9244,444,444	9,244.44
Recycling	Plastic		4 cu yd	every 3 mo	recycler	341.00	lbs/cu yd loose	Tellus		2,726	2.73
Recycling	Wood		90 lbs	daily	sent to lumber mill; 5 days/wk returned to supplier		lbs/2000			11	11.00
Source Red	OCC		1354 lbs of cores	daily					175.5		175.50
Source Red	Plastic		28 5 gal buckets	weekly	reused	1.90	lbs/buck	USEPA	1,383.2		1.38
Source Red	Wood		3 pallets	monthly	reused	30.00	lbs/each	estimate	0.9		0.90
Source Red	Pallets		800 pallets	daily	all shipped pallets come back w/next load and get reused.	40.00	lbs/pallet	CIWMB	4160		4,160.00
Subtotal (Tons)											13,895.96
S-00-10		Other									
Source Red	Clothing		500 cs	daily	all materials dropped off on site then trucked to coop.	1.00	lb/ea	industry estimate (Regional Goodwill)	91		91.00
Source Red	Furniture		5 ea	daily	any furn. Not sold goes back to coop warehouse to be resold & re-uv.	75.00	lbs/each	industry estimate (Regional Goodwill)	48.75		48.75
Source Red	Household items		100 totes	daily		25.00	lbs/tote	industry estimate (Regional Goodwill)	18.2		18.20
Source Red	Books		20 books	daily		1.48	lbs/mixed	Tellus	5		5.00
Source Red	Appliances		1 ea	daily	toasters, etc	5.00	lbs/avg	T.A Study	1		1.00
Subtotal (Tons)											117.95

S-00-01 Retail - Other												
Source Red	Clothing	27.50 ea	daily		1.00	lb/ea	industry estimate	502				502.00
	Furniture	8.5 ea	daily	sofas/coffe tables	75.00	lbs/each	industry estimate	82,875				82.88
	Household items	90 totes	daily		25.00	lb/tote	industry estimate	227.5				227.50
	Books	337.5 books	daily	22.5 books per crate. 15 crates per day.	1.48	lbs/miscd	Tollas	91				91.80
	Minus 75 tons garbage (15% clearing total)											(75.00)
Subtotal (Tons)												828.38
A-00-03 Retail - Other												
Recycling	OCC	2,962,829.83	cu yd baled	daily	sent to coop, 44,545 bales	400.00	lbs/cu yd compacted	CIWMB		215,703,703		215.70
Recycling	Al	1	33 gal bag	daily	employees take home to recycle	14.60	lbs/33gal crushed/uncrushed	USEPA		2,6372		2.66
Recycling	Other metals	1155	scrap items	annually	repaird recycler	45.50	avg chain	LA Study		26,276.25		26.28
Recycling	Plastic	25	lb shrink wrap	daily	recycled					4.50		4.55
Source Red	Pallets	200	pallets	daily	returned	40.00	lbs/pallet	CIWMB	1456			1,456.00
Subtotal (Tons)												1,706.19
A-00-03 Agriculture/Fisheries												
Recycling	OCC	5400	lbs compacted	weekly		52 weeks	lbs/2000			140.4		140.40
Recycling	Plastic	32400	lbs baled	annually			lbs/2000			16.2		16.20
Recycling	Other Org	15,000	lbs produce waste	daily	crushed	1.00	cu yd	Tollas		19500		19,500.00
Source Red	Plastic	750	drums	daily	recycled, repaired, donated	7.00	lbs/ea	contact est	682.5			682.50
Source Red	Pallets	840	pallets	daily		40.00	lbs/pallet	CIWMB	4368			4,368.00
Subtotal (Tons)												24,707.10
A-00-07 Mfg - Paper												
Source Red	Pallets	150	pallets	daily	reused or repaired	40.00	lbs/pallet	CIWMB	780			780.00
Subtotal (Tons)												780.00
A-00-10 Mfg - Lumber/Wood												
Source Red	Plastic	25	lbs	daily	reused for plating				3.25			3.25
Source Red	Wood	3	cu yd	daily	reused scraps	329.50	lbs/cu yd + 26000 lbs	Tollas	141,505			141.51
Subtotal (Tons)												144.76
A-00-05 Mfg - Transportation												
Recycling	OCC	8,888,888.89	4,444.5 bales	daily		400.00	lbs/cu yd	USHPA		462,222,222		462.22
Recycling	Al	4,740,740.74	cu yd	weekly	charrene metals, heated bins bins started program in 1994	175.00	lbs/cu yd	Tollas		21,570,370.37		21.57
Recycling	Fe	7,111.11	cu yd	weekly		906.00	lb/cu yd	USEPA		167,509,333.33		167.51
Source Red	OCC	50	med boxes	weekly	reused	2.20	lbs/med box	CIWMB	2.86			2.86
Source Red	Pallets	50	pallets	weekly	reused/scavenged	40.00	lbs/pallet	CIWMB	52			52.00
Subtotal (Tons)												706.16
A-00-01 Mfg - Paper Allied												
Recycling	OCC	120	cu yd loose bins	monthly	RIJK Recycling	100.00	lb/cu yd uncompacted	CIWMB		72		72.00
Recycling	Plastic	3600	lbs hard foam	weekly	30 bags = 130 lbs ea. Recycled to SP company		lbs/2000	standard		73.6		93.60
Source Red	Plastic	2250	lbs soft foam	weekly	50 bags = approx 75 lbs ea, back to supplier for reuse		lbs/2000	standard	58.5			58.50
Source Red	Pallets	162	pallets	weekly	reuse in shipping	40.00	lbs/pallet	CIWMB	168.48			168.48
Subtotal (Tons)												392.58
A-00-06 Mfg - Plastics												
									16,000.54	36,000.92	2,202.51	54,203.98
Totals:												