

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:

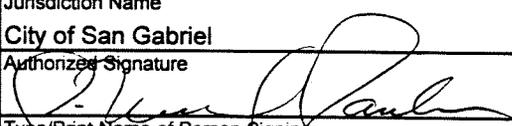
California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

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 shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification			
<i>All respondents must complete this section.</i>			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name City of San Gabriel		County Los Angeles	
Authorized Signature 		Title City Manager	
Type/Print Name of Person Signing P. MICHAEL PAULUS	Date 17-Oct-01	Phone () Include Area Code (626) 308-2803	
Person Completing This Form (please print or type) J. Michael Huls, REA		Title Consultant	
Affiliation:	City of San Gabriel		
Mailing Address	City	State	ZIP Code
P.O. Box 130	San Gabriel	California	91778-0130
E-mail address	Spreston@sqch.org		

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 existing base-year:	2. Proposed new generation-based study year:
1990	1998

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

The City performed a waste generation study to identify diversion quantity for residential and non-residential sectors. Disposal tonnage was obtained from DRS and corrected for errors. Disposal tonnage after correction is consistent with prior years. There were no atypical construction or demolition projects in 1998. The nature of all measured activities is consistent with prior years, and the level of tonnage generated is expected to continue into the foreseeable future. Diversion quantity was obtained from limited study and the franchise hauler. All diversion is consistent with prior years.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. -74 %	Diversion rate calculated using new generation-based study	b. 29 %
For existing base year pounds/person/day based on generation	5.23	For new generation based study pounds/person/day based on generation	9.29
Residential generation 30 %	Non-Residential Generation 70 %	Residential generation 32% %	Non-Residential generation 68% %
Population existing generation-based study 37,120		Population new generation-based study 40,450	

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 diversion rate calculated in 4a above (-74%) using the existing base year is "incalculable." In other words, the 1990 base year figures are erroneous and do not reflect the actual waste generation conditions within the community. It appears that disposal was undercounted significantly in 1990, rendering the base year unusable. Examination of the 1990 data showed a disposal rate of 4.83 lbs per person per day (residential plus nonresidential sectors), which was inconsistent with the level of diversion activity. Adding diversion, the per capita generation rate was only 5.23 lbs per day, which is extremely low compared to the current state generation average of about 9.2 lbs per capita per day (1998 data from CIWMB). The new generation study resulting in a diversion rate of 29% is consistent with the programming extant in the City and yields a per capita generation rate of 9.3 lbs per day.

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

The original 1990 base year was inaccurate and under reported both disposal and diversion tonnage. The new base year was developed using a limited field study among businesses and an accurate tally of haulers' diversion and disposal tonnage, including that provided by the DRS.

7. Disposal Tonnage: (enter values)	17047	31425	48472
	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 information in Section 9.

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

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

Diversion Activity	Actual tons	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: http://www.ciwmb.ca.gov/lgcentral/pars/codes/reduce.htm					
Residential Activities:					
Source Reduction					
Backyard composting		0.0%			
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	0	0.0%			
Recycling					
Curbside Recycling			Aluminum cans, glass bottles, newspaper, nos. 1 and 2 plastic bottles.	Actual weight from Athens Services records	Weight tickets - Athens Services office
Buyback centers	1484	2.2%	Cans, glass and plastic.	Actual weight from DOC records	Weight receipts - DOC /City office
Drop-off centers	71	0.1%			

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: http://www.ciwm.ca.gov/igcentral/paris/codes/reduce.htm	(A)	(A/Total Generation)			
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	1555	2.3%			
Composting					
Green waste drop-off					
Curbside green waste	3235	4.8%	Athens collects green waste using a voluntary system whereby residents use their own containers. Green waste is delivered to landfills for use as alternative daily cover (ADC).	Actual weight from landfill records	Weight tickets - Athens Services office
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	3235	4.8%			
Subtotal Residential Diversion	4790	7.0%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits*	1424	2.1%	See Section 9	See Section 9	See Section 9
Other non-Residential source reduction (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	1424	2.1%			

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: http://www.ciwmb.ca.gov/central/parts/codes/reduce.htm					
Recycling					
Non-Residential Waste Audits*	595	0.9%	See Section 9	See Section 9	See Section 9
Other non-Residential recycling (list each program separately)					
MRF Processing	6047	8.9%	Commingled materials - the name of the MRF is United Waste Recycling and Transfer. All materials recovered through MRF processing by this facility in 1998 originated in the non-residential sector. No residential waste or recyclables were processed as part of this recovery. Recyclable materials include but not limited to: paper, metals, plastics, wood, leather and rubber.	Actual weight from Athen Services (MRF) records	Weight tickets - Athens Services office
At-Source Collection	11	0.0%	Commingled materials - Athens does collect cardboard from a few sources, none of which were duplicated in the field study. At source collection does not involve MRF processing but direct delivery to market.	Actual weight from Athens Services records	Weight tickets - Athens Services office
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	6653	9.8%			
Composting					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
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	0	0.0%			
Subtotal Non-Residential Diversion Residential/Non- Residential Diversion Activities	8077	11.9%			
ADC	1343	2.0%	Green waste - ADC tonnage for this category excludes any tonnage from the residential sector collected by Athens. It relates to gardeners and landscapers who deliver green waste to local landfills for ADC.	Actual weight from landfill records	Weight tickets - LA County Sanitation Districts - LACSD office
Sludge					
Scrap metal					
Construction and demolition					

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: http://www.ciwmb.ca.gov/lcentral/parts/codes/reduce.htm	(A)	(A/Total Generation)			
Landfill salvage	5380	7.9%	Inerts - Contractors operating in San Gabriel will take materials to local landfills to be diverted into road base construction, and/or sold as new source material for road base and construction activities. The materials were diverted at Puente Hills landfill and Peck Road which operate diversion programs beginning in 1992. Peck Road operates an inert crushing and resale facility.	Actual weight from landfill records	Weight tickets - LA County Sanitation Districts - LACSD Office
Subtotal Residential/Non-Residential diversion	6723	9.9%			
Total Res/Non-Res Source Reduction Tons	1424	2.1%			
Total Diversion Tons	19590	28.8%			
Total Disposal Tons from Sec.7	48472	71.2%			
Total Generation Tons (Div+Dis)	68062				
Diversion Rate	29%				

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, and applicable conversion factors/sources. 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 ___
Golf course	1	Grasscycling	784			783.83	1.2%	P
School district	2	Grasscycling, office equipment auction	478			478.02	0.7%	P
Grocery store	3	OCC recycling, pallet reuse	4	266		269.86	0.4%	O
Printing	4	Recycle newspaper		132		132	0.2%	O
Printing & medical center	5	Recycle OCC, office paper and coated book stock		105		105	0.2%	P
Cemetery	6	Grasscycling	103			102.74	0.2%	P
Parks & Recreation	7	Grasscycling	53			53.27	0.1%	P
Grocery store	8	Reuse and recycle pallets, bale and recycle OCC, shrink-wrap and plastic bags	2	44		45.74	0.1%	O
Restaurants	9	OCC and glass bottle recycling		30		30	0.0%	P
High school	10	Beverage bottle (cans, plastic and glass) and newspaper recycling		19		18.57	0.0%	P
Totals			1423.66	595.37		2019.03	3.0%	

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

See attachment 9.1

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

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

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids	▼ Puente Hills landfill	1992	724
Inert Solids	▼ Crushed and resold by Peck Road Gravel Pit	1992	4656
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)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 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
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			

San Gabriel

1998 New Base Year – Attachment 9.1

METHODOLOGY USED TO QUANTIFY EACH MATERIAL TYPE TOP 10 DIVERSION BUSINESSES

There were 10 institutions and businesses surveyed by a field auditor or phone surveyor. The following identifies the methodology used to quantify each material type.

YARD WASTE

Four generators (1, 2, 6 and 7) practiced grasscycling. Each of the institutions provided documentation identifying the acreage where grasscycling was applied. The acreage was multiplied by a factor of 7.61 tons per acre from a CIWMB study for southern California.

OLD CORRUGATED CARTONS (OCC)

Seven generators (3, 8 and 9), with no. 9 representing four restaurants, recycled OCC. Of the seven, two (3 and 8) baled cardboard; one (3) provided documentation (copies of monthly statements) from two recycling companies; one (8) provided the information on the weight per bale, i.e. 700 lbs, and the number of bales per week, and one (5) provided information from a recycler on loose OCC recycled. The four restaurants used a local recycler (9) to recycle their OCC, and the recycler provided documentation identifying the collective weight recycled by the restaurants.

WASTE PAPER

Four generators (4, 5 and 10), with no. 5 representing two generators, recycled waste paper including coated book stock, office paper and newspaper. Out of the four, one company (4) recycled an average of 11 tons per month by selling old newspaper to a recycler. The average tonnage was obtained from the recycler. A local paper recycler (5) serviced two businesses (printing company and medical center) in the City and provided documentation identifying yearly tonnage of coated book stock and office paper. The last one (10) recycled newspaper through a school recycling program. The school provided documentation identifying the total weight inclusive of all the materials recycled in the program.

GLASS, METAL AND PLASTIC BEVERAGE CONTAINERS

Five generators (9 and 10), with no. 9 representing four restaurants, recycled beverage containers. The restaurants recycled glass bottles through a recycling company (9) that provided documentation identifying the total weight collectively recycled. An educational institution (10) had a recycling program that collects beverage containers made of all material types. The school provided documentation identifying the total weight collected in the program.

OFFICE EQUIPMENT AND FURNITURE

One generator (2) auctioned office equipment and furniture that were no longer used. The institution provided documentation that includes the estimated total weight of auctioned items.

OTHER PLASTICS

One generator (8) recycled shrink-wrap and plastic bags, and reused plastic pallets. Shrink-wrap and returned shopping bags were baled at a rate of 210 lbs per week according to the documentation from the company. The pallets were being reused in the distribution system. All pallets (45 in system) were counted only once and assigned a weight of 40 lbs per USEPA guidelines.

WOOD

Two generators (3 and 8) recycled and/or reused pallets. All pallets (200 for no. 3 and 45 for no. 8 in system) were counted only once and assigned a weight of 40 lbs per USEPA guidelines.

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Business Audit Diversion for the City of San Gabriel

Reference Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Tons
1	Golf course	Grasscycling	Grass	103 acres @ 7.61 tons of grasscycling per acre, CIWMB study - Exhibit 1	783.83
2	School District	Grasscycling	Grass	61.5 acres @ 7.61 tons of grasscycling per acre, CIWMB Study - Exhibit 2	468.02
		Auctioned Off	Office furniture such as desks and chairs and electronic equipment such as computer	School estimate - Exhibit 2	10.00
3	Grocery store	Recycling	OCC	Recycler verified tonnage - Exhibit 3	265.86
		Reuse	Wood (pallets)	40 lbs/pallet per USEPA (200 pallets in delivery system, each counted only once)	4.00
4	Printing	Recycling	Newspaper	Recycler verified tonnage - Exhibit 4	132.00
5	Printing & medical center	Recycling	OCC, office paper and coated book stock	Recycler verified tonnage - Exhibit 5	105.00
6	Cemetery	Grasscycling	Grass	13.5 acres @ 7.61 tons of grasscycling per acre, CIWMB study - Exhibit 6	102.74
7	Park & Recreation	Grasscycling	Grass	7 acres @ 7.61 tons of grasscycling per acre, CIWMB study - Exhibit 7	53.27
8	Grocery store	Reuse	Wood (pallets)	40 lbs/pallet per USEPA (45 pallets in delivery system, each counted only once)	0.90
		Reuse	Plastic (pallets)	40 lbs/pallet per USEPA (45 pallets in delivery system, each counted only once)	0.90
		Recycling	Wood (pallets)	40 lbs/pallet per USEPA (2 pallets per week, 104 pallets/yr.)	2.08
		Recycling	Plastic (shrink-wrap & grocery bag combined)	Store estimated 210 lbs/week - Exhibit 8	5.46
		Recycling	OCC	2 bales/week @ 700 lbs/bale, actual weight - Exhibit 8	36.40

9	Four restaurants	Recycling	OCC	Recycler verified tonnage - Exhibit 9	17.40
		Recycling	Glass	Recycler verified tonnage - Exhibit 9	12.60
10	High School	Recycling	Cans, glass/plastic bottles and newspaper	Actual weight (all materials combined per school) - Exhibit 10	18.57
				Total	2019.03