

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, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

- 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
<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		County	
Avenal		Kings	
Authorized Signature		Title	
Type/Print Name of Person Signing		Date	Phone () Include Area Code
		12/18/2002	
Person Completing This Form (please print or type)		Title	
Board staff			
Affiliation:			
Mailing Address	City	State	ZIP Code
E-Mail Address			

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	2000

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

The previous base year is ten years old and no longer represents the City's current diversion efforts. The biggest fluctuation in generation in the past ten years occurs in the City's State Prison.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year	a. 11 %	Diversion rate calculated using new generation-based study	b. 60 %
For existing base year pounds/person/day based on generation	3.951	For new generation based study pounds/person/day based on generation	8.72
Residential generation 29 %	Non-Residential generation 71 %	Residential generation 14% %	Non-Residential generation 86% %
Population existing generation-based study	9,770	Population new generation-based study	13,100

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

The increase in diversion and the pounds per person per day is largely a result of the addition of the prison population to the City's generation. The prison accounts for half of the City's waste stream.

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.)

January 1, 2000, the City contracted with a new recycling and waste hauler. Within that same year, the City was placed on Compliance by CIWMB. As a result, the City achieved full SRRE implementation in 3 months.

7. Disposal Tonnage (enter values):	1939 Residential	6493 Non-Residential	8432 Total
--	---------------------	-------------------------	---------------

Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. *Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.* Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt,] white goods, and scrap metal, please identify those programs/waste types and fill out Section 10. Please mark as Attachment 8 all copies of survey forms.

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

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

Diversion Activity	Actual Tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (If Any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at www.ciwmb.ca.gov/LGCentral/Forms/Codes/Reduce.htm					
Residential Source Reduction Activities					
Backyard composting					
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%			
Residential Recycling Activities					
Curbside Recycling	458	2.2%	plastic, glass, paper and metal	actual weight	weight tags/City
Buyback Centers	25	0.1%	glass, aluminum and plastic	actual weight	weight tags/City
Drop-off Centers	5	0.0%	cardboard	actual weight	weight tags/Hauler

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: www.ci.wm.ca.gov/LGCentral/Parks/Codes/Reduce.htm					
Other Residential Recycling (list each program separately)					
Curbside Green Waste	216	1.0%	grass, trees and green waste	actual weight	Landfill records/City
Green Waste Drop Off	214	1.0%	grass, trees and green waste	actual weight	Landfill records/City
Christmas Tree Collection	5	0.0%	Christmas trees	actual weight	Landfill records/City
Enter program name					
Enter program name					
Subtotal, Residential Recycling	923	4.4%			
Residential Composting Activities					
Green Waste Drop-off					
Curbside Green Waste					
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	0	0.0%			
Subtotal, Residential Diversion	923	4.4%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	254	1.2%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
City grasscycling	58	0.3%	grass	7.6 tons/acre	records/City
Enter Program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Non-Residential Source Reduction	312	1.5%			

Division Activity	Actual tons	Relative Percent of Total Generation	Specific Material Types (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 www.ciwrmb.ca.gov/LGCentral/Parks/CoDes/Reduce.htm					
(A)					
(A) Total Generation					
Recycling					
Non-Residential Waste Audits*	4719	22.0%	See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Commercial Cardboard Recycling	92	0.4%	cardboard	actual weight	hauler records/Hauler
Construction and Demolition Recycling	3640	17.5%	Asphalt	Area of square yards to be removed/project; average thickness for that area; total volume of cubic feet/area; 120 lbs/cubic feet = total weight per project	Specifications for road work as provided by City's contractor
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	8451	40.5%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*	2514	12.1%	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	2514	12.1%			
Subtotal Non-Residential Diversion	11277	54.1%			
Residential/Non-Residential Diversion Activities					
ADC	23	0.1%	Dirt	actual weight	Landfill records/City
Sludge					
Scrap Metal	101	0.5%	appliances	actual weight	Landfill records/City
Construction and Demolition	99	0.5%	lumber, wood, concrete chunks and metal	actual weight	Landfill records/City
Landfill Salvage					
Subtotal Residential Non-Residential Diversion	223	1.1%			
Total Res/Non-Res Source Reduction Tons	312	1.5%			
Total Diversion Tons	12423	59.6%			
Total Disposal Tons from Sec.7	8432	40.4%			
Total Generation Tons (Div+Dis)	20855				
Diversion Rate	60%				

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.

(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other _____
State Prison	1	Chicken parts rendering, wet food recycling, food grease recycling, metal recycling, grasscycling, pallet reuse, sawdust recycling, glass recycling, sawdust and pulp composting, tires recycling, mixed paper recycling, cardboard recycling, wood repair and reuse, pallet reuse, and manure composting	180	4629	2514	7323.13	35.1%	O
City Construction and Demolition Recycling	N/A	Asphalt recycling		3640		3640	17.5%	O
School Recycling	2	Commingled recyclables and grasscycling	74	39		113	0.5%	O
Multi-Family Recycling	3	Commingled recyclables		25		25	0.1%	O
Commercial Cardboard Pick-up	4	Cardboard recycling		19		19	0.1%	O
Commercial Commingled Pick-up	5	Commingled recyclables		7		7	0.0%	O
Totals			254.1	8359.03	2514	11127.13	53.4%	

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

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

For quantification methodology, please refer to Attachment 9 and Attachment 3 of the agenda item.

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

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

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.").

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Scrap Metal	Public Works Scrap Metal	1995	101
Inert Solids	Public Works Concrete and Demolition Recycling (asphalt)	1995	3640
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 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

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

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		

d. If the diversion program started before January 1, 1990, and the documentation requested in 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				

Attachment # 9 Avenal State Prison Diversion

1

Commercial Program	Tons Diverted	Quantification and/or Location of Record	Type
Rendering	1741	Prison weights for chicken processing	Recycled
Food Grease ^{Recycling} Composting	1594.35	Actual hauler weights located at prison	Compost
Wet Food Waste (Pulped) ^{219.85}	4603.32	Population X Days in Month/ 2000 per RASP	Source Re
Metal Recycled ^{512.02}	521.24	Actual hauler weights located at prison	Recycled
Cardboard Recycling	436.95	Actual hauler weights located at prison	Recycled
Grasscycling ^{152.04}	473	Prison has acres on maps 8.7 tons per acre (19.9)	Source Re
Wood ^{Recycling (pallets) .81} Pallet Reuse	424.22	Actual hauler weights located at prison	Recycled
Sawdust Recycling	102.8	Actual hauler weights located at prison	Compost
Glass	21.4	Actual hauler weights located at prison	Recycled
Composting (sawdust&pulp)	137.27	Actual hauler weights located at prison	Compost
Tires	0.73	Actual hauler weights located at prison	Recycled
Office Paper (Mixed Paper)	0.93	Actual hauler weights located at prison	Recycled
Manure Composting	2,377.00		
Pallet Reuse	27.10		
Total tons Diverted ^{7323.25}	6457.21		

2

School Recycling

Program	Tons	Quantification	Type
Classroom Commingle	39	Hauler has actual weights MVD	Recycling
Grasscycling	74.25 24	8.7 tons per acre 2.75 acres	source
Total	113.25 63		

3

Multi Family

Program	Tons	Quantification	Type
Commingle Recycling	25	Hauler has actual weights MVD	Recycling

4

Market

Program	Tons	Quantification	Type
* Cardboard pick up	19	Hauler has actual weights MVD 4yd bin 5 x week	Recycling
* One of nine generators (see next page) All nine generators total = 110.8			

5

Commercial Commingle

Program	Tons	Quantification	Type
Curbside Business Commingle	7	Hauler has actual weights MVD	Recycling

6

City Public Works
Construction and Demolition
of City Streets (Asphalt)

3,640

Weights estimated by contractor
using 120 lbs./ft³, Sq. yds. of
project, avg. thickness of project site
and volume of cubic feet

Recycling

Detail of 3- 5

3 Multi Family Recycling

	Tons	Quantification
West View Apts	11.7	8 - 96 gallon Containers once a week
Wein Mannor	6.9	6- 96 gallon Container once a week
Camelot Apts	5.9	4- 96 gallon containters once a week
Total	24.5	

4 Cardboard picked recycling program

Business Type	Tons	Weights/Survey (40 lbs per yard)
Super Market	19	4 yd Bin pick up 5 days a week
Gas Station	20	4 yd Bin pick up 4 days a week
Super Market	8.32	4 yd bin pick up 2 days a week
Mini mart	6.24	3 yd Bin pick up 2 days a week times 6 mini marts
City Hall	2.08	2 yd Bin pick up 2 days a week
Hardware store	2.08	2 yd Bin pick up 2 days a week
Auto Part Store	2.08	2 yd Bin pick up 2 days a week
School	16	(4) 4yd Bins pick 2 days a week
Restaurants	35	(5) 4yd Bins pick 3 days a week
Total	110.8	

5 Commercial Commingle recycling program (includes Mixed paper, glass, plastic)

Business Type	Tons	Weights/Survey (18lbs per can)
City Hall	0.94	2-96 gallon carts picked up once a week
Veterans Hall	0.47	1 - 96 gallon cart picked up once a week
Donut Shop	0.47	1 - 96 gallon cart picked up once a week
Restaurant	0.47	1 - 96 gallon cart picked up once a week
Doctor	0.47	1 - 96 gallon cart picked up once a week
Police Station	0.47	1 - 96 gallon cart picked up once a week
Court House	0.47	1 - 96 gallon cart picked up once a week
Clothing Store (three)	1.41	1 - 96 gallon cart picked up once a week
School District Office	1.41	3-96 gallon carts picked up once a week
Total	6.58	