

City of Modesto

2000 Base Year Modification Request Certification Application

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Chapter 1

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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**

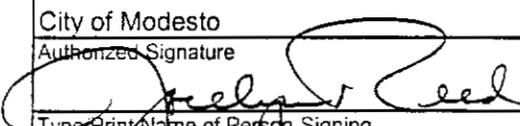
General Instructions:

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.

XX 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 Modesto		County Stanislaus	
Authorized Signature 		Title Solid Waste Manager	
Type/Print Name of Person Signing Jocelyn Reed		Date January 16, 2002	Phone () (209) 577-5492
Person Completing This Form (please print or type) David Langer		Title Project Manager	
Affiliation: Consultant - E. Tseng & Associates			
Mailing Address P.O. Box 642	City Modesto	State CA	ZIP Code 95353
E-mail address jreed@modestogov.com			

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:

In May 1998, the City of Modesto contracted with HDR Engineering to conduct a study of its solid waste system. The study was to determine whether the City's current and long term solid waste management needs were being met, and to evaluate options for improving the performance of the system. One of the findings of the study, which was completed in March 1999, was that the City's 1990 base year per capita generation was abnormally low (6.2 pounds per person per day) compared to the statewide average. The study recommended that generation be reanalyzed to determine whether or not the base year had been correctly calculated.

The new generation number reflects the current disposal and the diversion practices in the year 2000, and the new per capita generation (10.4 pounds per person per day) is much closer to the statewide average. The City has implemented and maintained numerous diversion programs and practices in the last 10 years. The City is committed to continuing to expand and implement diversion programs.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. 22 %	Diversion rate calculated using new generation-based study	b. 61 %
For existing base year pounds/person/day based on generation	6.2	For new generation based study pounds/person/day based on generation	10.4
Residential generation 53 %	Non-Residential Generation 47 %	Residential generation 28%	Non-Residential generation 72%
Population existing generation-based study 164,746		Population new generation-based study 188,300	

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 the result of a detailed Waste Generation and Diversion Study. In a 1999 study of the City's solid waste system, it was noted that the 1990 base year per capita generation was abnormally low compared to the statewide average. It was recommended that generation be reanalyzed. The new Waste Generation and Diversion Study more accurately reflects the concentrated efforts that the City has taken to reach its diversion goals. Several new diversion programs, which target organics for composting, business recycling, and C&D recycling, educational outreach, and technical assistance programs have been implemented in the City since 1990. The PARIS section of the Annual Report describe each of the programs implemented in the City. The City is committed to pursuing continued increases in recycling by further improving and expanding programs and diversion opportunities.

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 City of Modesto has implemented a significant number of diversion programs since 1990. With the growth of the City, waste reduction and recycling has increased along with the waste generation. The City has expanded and improved existing programs, and worked diligently with its licensed haulers and private sector to implement recycling programs. However, because the 1990 base year did not accurately reflect generation in Modesto, as evidenced by the abnormally low 1990 per capita generation number, the default adjustment method does not accurately represent the impact of the diversion programs. Such programs include the City's comprehensive green waste composting program, business recycling programs, and the increase in the construction and demolition activities from the City's growth. The new study provided the City with a clear understanding of the existing disposal and diversion activities.

7. Disposal Tonnage: (enter values)	57,462.5	81,643.5	139,106.0	174847
	Residential	Non-Residential	Total (10% less tran.)	Total

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

10% Tran.: 35,741

XX 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 all operation with multiple materials in one)	Specific conversion factor used (if any) and Source	Type of record and location
Please use the Board's program types. The program type glossary is online at http://www.ciwmb.ca.gov/lgcentral/pans/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	2,390.0	0.7%	Mixed paper and container materials (Al, plastic, glass, metal cans)		Hauler Tonnage Reports - Environmental Department

Drop-off Centers	3,784.0		Aluminum, plastic, and glass redemption containers.		Buy Back Center Tonnage Report - Department of Conservation
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	6,174.0	1.7%			
Composting					
Grass Waste Drop-off					
Grass Waste Drop-off Containers	18,912.0		Grass clippings		Tonnage Report - City Engineering & Transportation Dept.
Christmas Tree Program					
Other Residential composting (list each program separately)					
3000-CM-RCG - Residential Curbside Greenwaste Collection - Loose collection with skip-loader	14,165.0	10.0%	Loose greenwaste		Tonnage Report - City Engineering & Transportation Dept.
3010-CM-RSG - Self Haul Green Waste - Residential	2,445.0	0.7%	Greenwaste		Hauler Tonnage Reports - City Eng. & Trans. Dept.
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	35,522.0	10.0%			
Subtotal Residential Diversion	41,696.0	11.7%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits	3,119.0	0.9%			See Section 9.7.1
Other non-Residential source reduction (list each program separately)					
1000-SR-XRG Grasscycling and On-Site Mulching	3,968.0	1.1%	Grass clippings and wood chips	6.5 tons/year. Source: CIWMB, Z.Poulson	Tonnage Report - City Engineering & Transportation Dept.
1040-SR-SCH - School Source Reduction	576.0	0.2%	Grass Cycling and Mulching	6.5 tons/year. Source: CIWMB, Z.Poulson	Audits from School - Consultant

1050-SR-Government Source Reduction	5.0	0.0%	Paper and toner cartridges		Audits from Government Facilities - Consultant
Subtotal Non-Residential Source Reduction	7,668.0	2.2%			
Recycling					
Non-Residential Waste Audits	55,854.0	15.7%			See Section 9
Other non-Residential recycling (list each program separately)					
2030-RC-OSP Commercial On-Site Pickup	0.0	0.0%	Mixed paper, Cardboard and Container materials (Al, plastic, glass, metal cans)		Hauler Tonnage Reports - City Eng. & Trans. Dept. - 3,643 not counted as potential for double counting in audits
2040-RC-SFH - Self Haul to Transfer Station	342.0	0.1%	Cardboard, Newspaper, and Office Paper		Hauler Tonnage Reports - City Eng. & Trans. Dept.
2050-RC-SCH School Recycling	13.0	0.0%	Cardboard and Pallets	40 lbs / pallet - USEPA	Audits from School - Consultant
2060-RC-GOV Government Recycling	9.0	0.0%	Pallets	40 lbs / pallet - USEPA	Audits from Government Facilities - Consultant
2090-RC-OTH - Glass Recycling (Commercial Industrial)	1,771.0	0.5%	Commercial / Industrial Glass		Hauler Tonnage Reports - City Eng. & Trans. Dept.
4020-SP-TRS - Tires	257.0	0.1%	Tires		Audits from Schools and Government Facilities - Consultant
4050-SP-WDW - Wood Waste	13,516.0	3.8%	Wood		Hauler Tonnage Reports - City Eng. & Trans. Dept.
8000-TR-WTE - Waste-to-Energy	35,741.0	10.0%	WTE - Only Counting 10% of Waste Generation		Tonnage Report - City Engineering & Transportation Dept.
Subtotal Non-Residential Recycling	107,503.0	30.2%			
Composting					
Non-Residential Waste Audits	0.0	0.0%			See Section 9
Other non-Residential composting (list each program separately)					

} ?

} urban wood ?
com?

3010-CM-RSG - Self Haul Green Waste - Commercial	809.0	0.2%	Greenwaste	Hauler Tonnage Reports - City Eng.. & Trans. Dept.
3020-CM-COG - Commercial On-Site Greenwaste p/u	104.0	0.0%	Greenwaste	Hauler Tonnage Reports - City Eng.. & Trans. Dept.
3040-CM-FWC - Food Waste Composting	13,000.0	3.6%	food waste from canneries	Hauler Tonnage Reports - City Eng.. & Trans. Dept.
3060-CM-GOV - Government Composting and Mulching	8,276.0	2.3%	Greenwaste and Clippings	Tonnage Report - City Engineering & Transportation Dept.
3070-CM-OTH - Other Composting	3,871.0	1.1%		Hauler Tonnage Reports - City Eng.. & Trans. Dept.
Subtotal Non-Residential Composting	26,060.0	7.3%		
Subtotal Non-Residential Diversion	141,231.0	39.6%		
Residential/Non-Residential Diversion Activities				
ADG				
Sludge				
Scrap metal	458.0	0.1%	Scrap Metal	From No-Residential Audits and Hauler Tonnage Reports
Construction and demolition	33,904.0	9.5%	aggregate, inerts, concrete, asphalt	Audits from Government Facilities - Consultant
Landfill salvager				
Subtotal Residential/Non-Residential diversion	34,362.0	9.6%		
Total Diversion Tons	217,289.0	61.0%		
Total Disposal Tons from Sec.7	139,106.0	39.0%		
Total Generation Tons (Div+Dis)	356,395.0			

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
Inert Solids	City Concrete and Asphalt Recycling	1991 - 1998	22,871
Inert Solids	New C&D Facility	1998	11,033
Scrap Metal	Scrap Metal after 1990 from Audits	After 1990	458

- 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

- 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				
pull down for waste				
pull down for waste				
pull down for waste				