

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 City of Adelanto		County San Bernardino	
Authorized Signature		Title	
Type/Print Name of Person Signing	Date	Phone () Include Area Code	
Person Completing This Form (please print or type)		Title	
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").			
<i>Note: New base years must be representative of a jurisdiction's disposal and diversion.</i>			
1. Current Board-approved existing base year:		2. Proposed new generation-based study year:	
1990		1999	
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:			
The 1999 Base Year used here is entirely calculated using data gathered by the City. All data used to calculate the new base-year generation uses actual tonnages from existing programs, disposal data provided by the landfills, and business survey information that is not extrapolated. There were no unusual program changes or discrepancies in the disposal reporting during the 1999 year. The 1999 generation can be defined as "typical" because the City implemented its programs over several years and no major program changes are anticipated. It is anticipated that the City of Adelanto will continue to promote and improve its existing programs, thus increasing the amount of diversion.			
4. Enter diversion rate information below.			
Diversion rate calculated using existing base year		Diversion rate calculated using new generation-based study	
a. -73 %		b. 29 %	
For existing base year pounds/person/day based on generation		For new generation based study pounds/person/day based on generation	
4.1		8.9	
Residential generation 78 %	Non-Residential generation 22 %	Residential generation 61% %	Non-Residential generation 39% %
Population existing generation-based study 6,791		15,600	
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 City of Adelanto has one (1) franchise collection system in place. Residential commingled waste collection is collected by Burrtec Waste Industries and recyclables are processed at the Victorville MRF. The City and Burrtec have a commercial diversion program in place. Further, the City has an active community clean up and recycling program, using prison labor, that recycles all construction and demolition debris and roadside litter. When comparing the pounds/person/day there is an increase from 4.1 pounds/person/day in 1990 to 10.1 pounds/person/day 1999. This higher amount generated reflects the industrialization of the City and is consistent with the existing economy of the area, the increased square footage of new businesses and manufacturing facilities, and a recognized group quarters population increase at the private prisons.			
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 1990 Solid Waste Generation Study (SWGS) was prepared through the Desert and Mountain Coalition of San Bernardino County. This group included seven (7) cities and the County of San Bernardino. The SWGS was prepared prior to the rapid expansion of residential and non residential development in the City of Adelanto. Therefore, the results used to calculate the 1990 base-year could not predict the actual waste generated when economic development occurred. The 1999 Base-Year Revision Waste Generation Study has included close hauler coordination, landfill coordination and commercial waste audits. This accounting of program participation indicates what is actually occurring within the City of Adelanto on a daily basis and has increased the diversion rate to a level that reflects Adelanto's program implementation.			

7. Disposal Tonnage (enter values):	11788 <small>Residential</small>	5806 <small>Non-Residential</small>	17594 <small>Total</small>
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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/Paris/Codes/Reduce.htm					
Residential Source Reduction Activities					
Backyard composting	0	0.0%			
Grasscycling	0	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	754	3.0%	Aluminum, cardboard, glass, HDPE, mixed paper, newspaper, PETE, scrap metal, office paper, wood	Actual MRF tonnage	Scale records and other MRF records
Buyback Centers	41	0.2%	aluminum, glass, plastic	Actual tonnage	Division of Recycling
Drop-off Centers					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific Material Type(s) (List operation w/multiple materials in one box)	Specific Conversion Factor Used (if any) and Source	Type of Record and Location of Record
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm					
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	795	3.2%			
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	795	3.2%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	588	2.4%	See Section 9	See Section 9	See Section 9
Other Non-Residential Source Reduction (list each program separately)					
Subtotal, Non-Residential Source Reduction	588	2.4%			

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/Paris/Codes/Reduce.htm					
Recycling					
Non-Residential Waste Audits*	4060	16.4%	See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
MRF	436	1.8%	Commercial Collection of cardboard, mixed paper, newspaper, scrap metal, wood waste, pallets, rocks, bricks, concrete, asphalt	Actual weights	Weight tickets at hauler's office
Subtotal Non-Residential Recycling	4497	18.1%			
Non-Residential Composting Activities					
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	5084	20.5%			
ADC	13	0.1%	Alternative Daily Cover	Actual weights	1999 CIWMB's DRS as reported by Counties
Sludge	1310	5.3%	Bio-solids co-composting	Actual weights	Weight provided by composting facility
Scrap Metal					
Construction and Demolition					
Landfill Salvage					
Subtotal Residential/Non-Residential Diversion	1323	5.3%			
Total Res/Non-Res Source Reduction Tons	588	2.4%			
Total Diversion Tons	7202	29.0%			
Total Disposal Tons from Sec.7	17594	71.0%			
Total Generation Tons (Div+Dis)	24796				
Diversion Rate					
	29%				

	A	B	C	D	E	F	G	H	I
1	<p>9. Specific Non-Residential Sector Waste Audits-- Top 10 Non-Residential Generators</p> <p>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).</p>								
2	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 ___
3									
4	Manufacturing	20	Scrap metals recycling		2602		2602	10.5%	
5	Municipality	19	Grasscycling, white goods recycling	584	9		592.99	2.4%	
6	Manufacturing	RB #3	Sawdust for ground cover and bedding recycling		138		137.8	0.6%	
7	Prison	4	Grasscycling, double-sided copies	3			2.57	0.0%	
8	Manufacturing	RB #4	Shredded paper reuse		1		1	0.0%	
9	Manufacturing	RB #2	Fiber barrel reuse/resale		1		0.94	0.0%	
10	Manufacturing	56	Double sided copies	0			0.3	0.0%	
11	Business	167	Double sided copies, toner cartridge reuse	0			0.3	0.0%	
12	Prison	90	Double sided copies, toner cartridge reuse	0			0.25	0.0%	
13	Totals			587.71	2750.44		3338.15	13.5%	
14	<p>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.</p>								
15	<p>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).</p>								
16	1) Grasscycling: Acreage measured by City and weight estimated (7.6 tons/acre, DSG, US/EPA)								
17	2) White Goods Recycling: Actual weight from recycler and provided to City								
18	3) Scrap Metals Recycling: Actual weight of scrap provided by business								
19	4) Sawdust: Actual weight and cubic yards of loaded vehicles and estimated frequency provided by business (30 cubic yards/truck, 5,300 lbs./truck, 52 trucks/year)								
20	5) Paper Reuse: Actual weight of paper and estimated frequency provided by business (34 lbs. paper/Gaylord box, 1 box/wk./52 wks.)								
21	6) Fiber Barrel Reuse/resale: Actual weight of barrel and estimated quantity provided by business (8 lbs./barrel, 200/reused, resold/yr.)								
22	7) Double Sided copies: Actual weight of paper and estimated quantity provided by business (5 lbs./ream US/EPA)								
23	8) Toner Cartridge reuse: Actual weight of toner cartridge and estimated quantity provided by business (2.5 lbs.cartridge, US/EPA)								
24									
25									
26									
27									
28									
29									

	A	B	C	D	E	F	G	H	I
30									
31									

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	▼ Rocks, concrete, brick, asphalt recycling, MRF	1995	14
Scrap Metal	▼ Scrap metals recycling, MRF	1995	3
Scrap Metal	▼ Manufacturer #20, Scrap metals recycling	1993	2602
White Goods	▼ Municipal White Goods Collection	1997	9
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
Inert Solids	▼	
White Goods	▼	
Scrap Metal	▼	
Pull Down for Waste Types	▼	
Scrap Metal	▼	
Scrap Metal	▼	

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	▼			

Audit Diversion for the City of Adelanto

Reference Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Tons
83	Concrete Batch Plant	Recycling	Rocks, concrete, bricks, and asphalt	Tonnage from company records	3,000
		Recycling	Other recycling	Tonnage from company records	5.29
20	Manufacturing	Recycling	Industrial process waste	Tonnage from company records	-1,800
1	Private Prison	S-Reduction	Paper use for note pads	Tonnage from survey questionnaire	-0.3
42	Manufacturing	Recycling	Ferrous metal/tin cans	Tonnage from company records	-2.6
4	Private Prison	S-Reduction	Double sided copying	1 ream (500 sheets) = 5 lbs (USEPA)	0.3
		S-Reduction	Grasscycling	350 lbs/1,000 sq ft/year (USEPA)	2.27
167	Manufacturing	S-Reduction	Double sided copying	1 ream (500 sheets) = 5 lbs (USEPA)	0.3
56	Manufacturing	S-Reduction	Double sided copying	1 ream (500 sheets) = 5 lbs (USEPA)	0.3
90	Private Prison	S-Reduction	Double sided copying	1 ream (500 sheets) = 5 lbs (USEPA)	0.1
		S-Reduction	Toner cartridges	2.5 lbs each (USEPA)	0.25

Total Business Diversion Tonnage 4,812 - 2605.52

Reference Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Tons
19	Municipality	Recycling	White goods	Actual tonnage from city records	-19.70
		Recycling	Leaves, grass, and prunings	Actual tonnage from city records	-4.47
		Recycling	Wood waste including pallets	Actual tonnage from city records	-4.47
		Recycling	Rocks, concrete, brick and asphalt	Actual tonnage from city records	-3,455.00
		Recycling	Sludge, fertilizer, and soil amendments	Actual tonnage from city records	-4,669.56
		S-Reduction	Double sided copying	1 ream (500 sheets) = 5 lbs (USEPA)	-4.50
		S-Reduction	Toner cartridges	2.5 lbs each (USEPA)	-0.06
		S-Reduction	Grasscycling	350 lbs/1,000 sq ft/year (USEPA)	-52.58
Total Diversion by Municipality					-5,140.20
12	MRF	Recycling	Cardboard	Actual tonnage from MRF	65.19
		Recycling	Mixed paper	Actual tonnage from MRF	21.65
		Recycling	Newspaper	Actual tonnage from MRF	15.45
		Recycling	Ferrous metal/tin cans	Actual tonnage from MRF	2.87
		Recycling	Wood waste including pallets	Actual tonnage from MRF	317.6
		Recycling	Rocks, concrete, brick, and asphalt	Actual tonnage from MRF	13.52
Total Diversion by MRF					436.28

RB#2 manufacturer - Recycling - Fiber Barrels 8 lbs/barrel @ 200/yr. 0.80
 RB#3 manufacturer - Recycling - Sawdust 5,300 lbs/truck w 30 yds³ @ 52 trucks/yr. 137.80
 RB#4 - manufacturer - Recycling - Shredded Paper 34 lbs/box @ 1 box/wk. .94
 } 139.54 tons