

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:

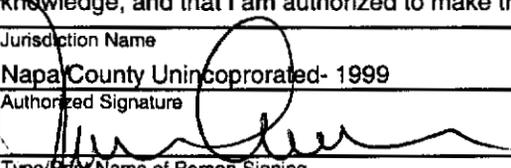
California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

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 Napa County Unincorporated- 1999		County Napa	
Authorized Signature 		Title Director, Environmental Mgmt	
Type/Print Name of Person Signing Trent Cave	Date 11/18/2002	Phone () Include Area Code 707-253-4471	
Person Completing This Form (please print or type) Amy Garden		Title Environmental Resource Specialist	
Affiliation:	Napa County Department of Environmental Management		
Mailing Address	City	State	ZIP Code
1195 Third Street Rm 101	Napa	CA	94559
E-Mail Address	agarden@co.napa.ca.us		

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:
1995	1999

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

The proposed generation study is representative of the jurisdiction's disposal and diversion because the numbers are verifiable through CIWMB-approved methods. The disposal numbers are those reported to the CIWMB through the disposal reporting system and the diversion numbers have been collected through methods outlined in the CIWMB's Diversion Study Guide.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year	a. -35 %	Diversion rate calculated using new generation-based study	b. 61 %
For existing base year pounds/person/day based on generation	1.06	For new generation based study pounds/person/day based on generation	4.5
Residential generation 32 %	Non-Residential generation 68 %	Residential generation 32% %	Non-Residential generation 68% %
Population existing generation-based study	14,000	Population new generation-based study	14,000

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 diversion rate calculation in 4a uses default numbers from the CIWMB's Diversion Rate Calculator. The number in 4b is based on a calculation using actual disposal and diversion numbers from disposal facility reports and verifiable diversion statistics from several sources.

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 County implements a variety of waste reduction and recycling programs. We have used only eleven sources to indicate our achievement of a 50% diversion rate in order to obtain compliance with the California Integrated Waste Management Act. The CIWMB's Guide to Conducting a Diversion Study lists many more options for claiming diversion. For example we have not tried to quantify diversion for any material type for source reduction activities, even though 70 - 90% of the businesses surveyed indicated they conduct many source reduction activities. There are numerous additional sources of diversion that we are not claiming at this time because it would require a substantial investment of (limited) staff time to segregate Unincorporated County statistics from City of Napa - for example backyard composting or grocery store recycling.

7. Disposal Tonnage (enter values):	7955 <small>Residential</small>	16903 <small>Non-Residential</small>	24858 <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/meduca.htm					
Residential Source Reduction Activities					
Backyard composting					Not claiming diversion from this existing source at this time.
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	549	0.9%	newspaper, cardboard, glass, paper, plastic, aluminum	Actual tonnage records	NVDS (GA & FA = 456 tons) and Berryessa Garbage Service records = 93.22 tons
Buyback Centers					Not claiming diversion from this existing source at this time.
Drop-off Centers	649	1.0%	newspaper, cardboard, glass, plastic, aluminum	Actual tonnage records	Private Recycler records (Buy In incl. DRTS)

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.ciwmf.ca.gov/LC/Central/Paris/CoDes/Reduce.htm					
Other Residential Recycling (list each program separately)					
Hauler operated drop off (inerts)	258	0.4%	steel, concrete, dirt, toilets	Actual tonnage records / MRF Composting and Recycling Facility / Buy In drop off	NVDS records (GA & FA =218.24) and Berryessa Garbage Service records (39.7 tons)
Hauler operated drop off (wood waste)			wood waste to biomass fuel	Actual tonnage records / MRF Composting and Recycling Facility / Buy In drop off	Not claiming for 1999 (Residential =444.16 tons)
Enter program name					
Enter program name					
Subtotal, Residential Recycling	1456	2.3%			
Residential Composting Activities					
Green Waste Drop-off	224	0.4%	green/yardwaste	Actual tonnage records / MRF Composting and Recycling Facility / Buy In drop off	Private Recycler records (Buy In) GA & FA
Curbside Green Waste	1545	2.4%	green/yardwaste	Actual tonnage records/ curbside service	NVDS records (GA & FA)
Christmas Tree Program			Christmas tree weight part of green/yard waste above)		Not claiming as separate diversion figure.
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	1769	2.8%			
Subtotal, Residential Diversion	3225	5.1%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*	6432	10.2%	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					
Subtotal, Non-Residential Source Reduction	6432	10.2%			

Diversion Activity	Actual tons (A)	Relative Percent to Total Generation (A/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.cwmb.ca.gov/LGCentral/Parts/Codes/Reduce.htm					
Recycling					
Non-Residential Waste Audits*	20,843	32.9%	See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
Commercial Collection	1002	1.6%	newspaper, cardboard, glass, paper, plastic, tin, aluminum,	Actual tonnage records- commercial recycling	NVDS (GA & FA = 969 tons) & BGS (33.05)
Commercial collection and drop off	464	0.7%	steel, concrete, dirt, toilets	Actual tonnage records- commercial recycling	NVDS (GA & FA)
Wood Waste			wood waste to biomass fuel		Not claiming wood waste for 1999
Commercial Collection	1479	2.3%	cardboard, newspaper, paper, glass	Actual tonnage records- Private Recycler/Buy in	Private recycler records
Enter program name					
Subtotal Non-Residential Recycling	23757	37.6%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*	853	1.3%	See Section 9	See Section 9	See Section 9
Other Non-Residential Composting (list each program separately)					
3020 Commercial Green collection	3284	5.2%	green/yardwaste	Actual tonnage	NVDS (GA & FA)
3030 Commercial Self-haul Green	476	0.8%	green/yardwaste	Actual tonnage records / MRF Composting and Recycling Facility / Buy In drop off	Private Recycler records (Buy In) GA & FA
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	4613	7.3%			
Subtotal Non-Residential Diversion	34831	55.0%			
Residential/Non-Residential Diversion Activities					
ADC					
Sludge					
Scrap Metal					
Construction and Demolition	358	0.6%	metal, cardboard, concrete, dirt, yardwaste	Actual Tonnage Records - mixed waste recycling program for Roofer/C&D at MRF	Private Recycler records (Buy In) DRTSRYA Unincorporated County = 26.5% for 1999
Landfill Salvage			wood waste to biomass fuel	Actual Tonnage Records - mixed waste recycling program for Roofer/C&D at MRF	Private Recycler records (Buy In) DRTSRYA Unincorporated County = 26.5% for 1999. Not claiming 275.26 tons wood waste for 1999.
Subtotal Residential/Non-Residential Diversion	358	0.6%			
Total Res/Non-Res Source Reduction Tons	6432	10.2%			
Total Diversion Tons	38415	60.7%			
Total Disposal Tons from Sec.7	24858	39.3%			
Total Generation Tons (Div+Dis)	63273				
Diversion Rate	61%				

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.ciwmf.ca.gov/LGCentral/Paris/Co-des/Reduce.htm	(A)	(A/Total Generation)			

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 _____
Road Base Manufacturer		Concrete and asphalt recycler		9258		9258	37.2%	P, M
Pipe manufacturer		multiple materials		10762		41		M
Golf Course		Grasscycling	2584			2584	10.4%	P
Golf course		Grasscycling	2280			2280	9.2%	P
Winery		pomace on-site composting			488			M
Golf Course		Grasscycling	456					P
Winery		pomace land application	240					M
Winery		pomace on-site composting			195			M
Beverage Producer		Recycle organic manufacturing by-product		179		179	0.7%	P
Winery		pomace on-site composting			178			M
Totals			5560	20199	682.7	14342	57.7%	

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).

- 1) Road base manufacturer - The methodology for quantifying the tonnage from this source is described in Attachment 9 (Exhibit 1).
- 2) Steel pipe manufacturer generates high grade steel for recycling as part of the manufacturing process. The company also recycles cardboard, film plastic. Wood sent for recycling (476 tons indicated on survey) is not being included in diversion numbers because pallets are included. Information was obtained through a mailed survey and confirmed by phone.
- 3) Golf course with 340 mowable acres. Information obtained by phone survey. The CIWMB Diversion Guide Appendix J - Organics Section indicates grasscycling diverts 350 pounds per 100sq ft. An acre is 43,560 sq ft so 15,246lbs/acre or 7.6 tons/acre. Contact names and dates of calls are kept in Napa County Dept of Environmental Mgmt (DEM) office. Attachment 9 - Exhibit 2.
- 4) Golf course with 300 mowable acres. See #3.
- 5) Winery Composting/land application - A survey is mailed to all wineries in the County's database. Wineries are asked to indicate their location relative to AB 939 reporting areas and how pomace (an organic byproduct of winemaking) is handled. Pomace is calculated at 15% the total grape tons crushed (this figure was recommended by the two local municipal composters). The tonnage indicated is only the amount that can be verified through actual survey responses. With 40% of the wineries not responding, actual composted tonnage could be substantially higher. Survey results are kept in DEM.
- 6) Golf course - 60 mowable acres (see # 3 & 4)
- 7 & 8) Winery pomace land application/composting (see #5)
- 9) Beverage producer - Survey was mailed and response was confirmed by phone. See attachment 9. This record in DEM office
- 10) Winery pomace land application/composting (see #5)

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			
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 - 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	Syar Industries	See Attachment 9- follows
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				

Business Survey for 1999:

Type of Material	Business 1	Business 2	Business 3	Business 4	Business 5	Business 6	Business 7	Business 8	Business 9	Business 10	Business 11	Totals
Paper:												
Mixed paper		2.00							12.00			14.00
Cardboard		304.00				40.00						344.00
Newspaper		1.00										1.00
Other paper		1.00										1.00
Plastic:												
HDPE												0.00
PET												0.00
Film plastic						3.00						3.00
Other plastic		2.00										2.00
Glass:												
Glass bottles			0.08									0.08
Other glass		2.00										2.00
Metals:												
Aluminum cans		2.00	0.04				0.40	0.05			0.05	2.54
Copper		1.00						2.00				3.00
Steel	1					10,717.00		2.00				10,720.00
Scrap metal		200.00				2.00			0.15			202.15
Wood:												
Pallets			0.50					1.00		12.00		13.50
Other wood						476.00						476.00
Totals	1	515.00	0.62	0.00	0.00	11,238.00	0.40	5.05	12.15	12.00	0.05	11,784.27

1999 Results of Pomace Survey

Winery Name:	Located in Unincorp County Area?	Total Tons Crushed (Year 1999):	Total Tons of Pomace (Year 1999):	Pomace was:				
				Composted on site	Applied directly as pomace to vineyards or other land	Picked up by Napa Valley Disposal for composting	Picked up by Upper Valley Disposal Service for composting	Landfilled
1 Winery	Yes	1300.0	195.0	195				
2 Winery	No	8.0	1.2		1.2			
3 Winery	Yes	700.0	105.0		105			
4 Winery	Yes	10.0	1.5		1.5			
5 Winery	Yes	1600.0	240.0		240			
6 Winery	No	70.0	10.5		10.5			
7 Vineyards	Yes	243.0	36.5		36.5			
8 Winery	Yes	500.0	75.0		75			
9 Winery	Yes	0.0	0.0					
10 Winery	No	200.0	30.0			x		
11 Winery	Yes	1135.0	170.3			x		
12 Winery	Yes	1210.0	181.5	90.75	90.75			
13 Winery	Yes	150.0	22.5			x		
14 Winery	Yes	1184.0	177.6		177.6			
15 Winery	Yes	0.0	0.0					
16 Winery	No	325.0	48.8	24.4	24.4			
17 Winery	Yes	179.0	26.9		26.9			
18 Winery	No	300.0	45.0		45			
19 Winery	Yes	162.0	24.3		24.3			
20 Winery	No	1800.0	270.0			x		
21 Vineyards	Yes	85.0	12.8	12.8				
22 Winery	Yes	500.0	75.0	75				
23 Winery	Yes	0.0	0.0	x	x			
24 Winery	No	955.0	143.3				x	
25 Winery	No	100.0	15.0		15			
26 Vineyards	Yes	80.0	12.0					x
27 Vineyards	No	332.0	49.8				x	
28 Winery	Yes	700.0	105.0			x		
29 Vineyards	No	560.0	84.0		84			
30 Vineyards	No	1335.0	200.3				x	
31 Vineyards	Yes	166.0	24.9				x	
32 Winery	Yes	3250.0	487.5	487.5				
33 Winery	Yes	1197.0	179.6	179.6				
34 Vineyards	Yes	182.0	27.3		27.3			
35 Vineyards	Yes	13.0	2.0	1	1			
36 Winery	Yes	250.0	37.5		37.5			
37 Winery	Yes	63.0	9.5		9.5			
38 Winery	Yes	12.0	1.8	1.8				
39 Winery	Yes	454.0	68.1	68.1				
Grand Total:		21310.0	3,196.5					
Total for Unincorp County Area :		15325.0	2298.8	1111.55	852.85			