

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 report year generation study 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 Fortuna		County Humboldt	
Authorized Signature		Title City Manager	
Type/Print Name of Person Signing Duane Rigge	Date	Phone () Include Area Code 707-725-1410	
Person Completing This Form (please print or type) Angie Wood		Title Compliance Coordinator	
Affiliation:	City of Fortuna		
Mailing Address	City	State	ZIP Code
P.O. Box 545	Fortuna	CA	95540
E-Mail Address	awood@ci.fortuna.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:
1990 (9450 tons disposed, per CIWMB)	2006 (3-11-08 CIWMB's disposal tons by facility report shows 13,704 tons from Fortuna in 2006)
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:	
This study is representative of average annual disposal and diversion in the City of Fortuna, with two exceptions. One exception is that the Board reports, 13,704 tons of disposal from Fortuna, in 2006, and we believe the actual number to be 9444. The other exception is that this study captured a significant amount of diversion data, but it does not represent or quantify 100% of diversion efforts made in Fortuna by businesses and residents. We believe the 2006 study is much more accurate than the existing 1990 study, and that changes to diversion and disposal are reflected in the current study.	

4. Enter diversion rate information below.			
Diversion rate calculated using existing base year	a. 33 %	Diversion rate calculated using new generation-based study	b. 43%
Existing base year pounds/person/day based on generation	2	New generation based study pounds/person/day based on generation	11.66
Existing base year: Residential generation 33 % Non-Residential generation 67 %		New generation based study: Residential generation 25 % Non-Residential generation 75 %	
Population existing generation-based study	8788	Population new generation-based study	11,217
5. Please explain how the new diversion rate is consistent with your current diversion implementation efforts and also explain the specific reasons for the difference.			
Per the CIWMB, Fortuna's 1990 population generated 9450 tons of waste. Our 2006 population generated 13,704 tons of waste, according to CIWMB records. Between 1990 and 2006, the City experienced a 28% population expansion. During that 16 year period, taxable sales increased a whopping 98% with the addition of more retail sales operations in Fortuna. Furthermore, the number of building permits issued by the City also increased from 2005 to 2006. The amount of curbside CRVs collected increased by 74% during 2006, which may be attributed to the implementation of single stream service. Additionally, more recycling options are available now in Fortuna, both curbside and drop-off, which also has increased diversion and participation.			
6. If the proposed new generation tonnage results in an increase in your pounds per day, please explain how this is consistent with your current diversion implementation efforts and provide examples (e.g., change in jurisdiction's demographics). In addition, if your pounds per person is over the state average of 11.2 pounds, please explain why.			
Fortuna's population increased from 8,788 in 1990 to 11,217 in 2006. Our 1990 waste generation was 9450 tons, and we think our 2006 generation was only 9444 tons, which is less than a 1% increase. The average generation of 11.66 pounds per person per day may be attributed to the excessive packaging prevalent in manufactured goods. In addition, Fortuna businesses and residents do not have access to the wider variety of recycling and reuse opportunities common in more urban areas of the state, which impacts our diversion rate.			

Section III - Disposal and Diversion Information			
1. Disposal Tonnage (enter values):	4522 Residential	9182 Non-Residential	13704 Total
Please select the ONE choice below that best explains your disposal data and complete the required tables.			
<input type="checkbox"/> a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Number 2.) <input type="checkbox"/> 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 and submit with <input checked="" type="checkbox"/> 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 and submit with the new base year			

2. In the table below, list the summarized diversion activities, tonnages, material types, actual or conversion factors, and diversion data records that support your claim and are available for Board verification. **Note: The Board expects the jurisdiction 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 and percentage calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt, white goods, and scrap metal,] you must identify those programs and waste types and complete Section VI. Survey forms for the top ten businesses must be included as an attachment with the generation study year and should be identified as Attachment IVa.

(Note: The Board has indicated that total source reduction amounts greater than five percent will be scrutinized. Please be prepared to substantiate the amounts.)

Note: Detailed Non-Residential waste audit information for the top ten businesses surveyed must be included in Section IV.

<http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm>

Diversion Activity	Total Tons	Percent of Total Generation	Specific Material Type(s) (List diversion program activity w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)
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	4	0%	from '04 - '06, City sold 142 compost bins	www.feeco.com conversion factors	sales receipts on file with the City
Grasscycling	3	0%	grasscycling on 10% of small residential lawns	CIWMB conversion factor of 7.6 tons per acre	2969 single family homes x .01 acre lawn area & if 10% of this total practices grasscycling = 3 tons
Other Residential Source Reduction (list each program separately)					
Food bank donations	24	0%	food & toiletry donations to St. Joseph's et al	weight estimate from St. Joseph's Food Pantry staff	per call & visits to St. Joseph's Food Pantry
Thrift shops - CB, MR, SVDP, SA	9	0%	4 thrift shops operated in Fortuna during 2006	per L.A. County study thrift shop study data	site visits and data from store personnel
Fortuna Community Services	6	0%	food, toiletry, & household goods to the needy	per L.A. County study thrift shop study data	FCS site visits & '06 reports for three quarters
Riverwalk RV Park grasscycling	7	0%	grasscycling @ RV Park	CIWMB conversion factor of 7.6 tons per acre	9 acre site w/ lots of lawn, per Ted Silva, 3/8/07
Arcata Mobile Home	7	0%	mobile home was renovated & moved to Ruth Lake for reuse on vacation	see stats from VT study posted at anr.state.vt.us/dec/wastediv/recycling/pubs/TRAILER	per neighbor HK & call to Arcata Mobile Home
Subtotal, Residential Source Reduction	60	0%			
Residential Recycling Activities					
Curbside Recycling	147	1%	all CRVs per DOC report	actual tons per DOC aggregate volume report	on file with the City
Buyback Centers	530	2%	all CRVs per DOC report	actual tons per DOC aggregate volume report	on file with the City
Drop-off Centers					

Diversion Activity	Total Tons	Percent of Total Generation	Specific Material Type(s) (List diversion program activity w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)
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)					
Special event recycling of organics (Fortuna Rodeo & Redwood Autorama)	4	0%	livestock manure, hay, straw, shavings	CIWMB stats	data provided by City employees who collected and hauled materials to the Corporation Yard
Hummel Tires	14	0%	tire recycling or retreads/recaps	U.S. EPA conversion factors	weights & volumes provided by tire distributor
Electronic waste collection event	7	0%	9/30/06 free recycling event held in Fortuna	UNICOR stats & CEW logs from the event	SB 20 records show 45.66% of ewaste from Fortuna
Curbside single stream recycling	628	3%	papers, OCC, glass, plastics, & metals	actual tonnage data provided by the hauler	per Eel River Disposal records & reports to the City
Fortuna Library annual used book sale	1	0%	annual sale raises funds for the Fortuna Library	the '08 sale offered over 10,000 books for reuse	per Times-Standard & librarian Chris Cooper email
Subtotal, Residential Recycling	1331	6%			
Residential Composting Activities					
Green Waste Drop-off	0	0%	this # combined with commercial p-u & drop-off		
Curbside Green Waste	0	0%	curbside services did not start until June 2007		
Christmas Tree Program	0	0%	included with green waste drop off tonnage		
Other Residential Composting (list each program separately)					
California Conservation Corps	1	0%	AB 75 report on grasscycling & composting	CIWMB stats	calendar year '06 AB 75 report
Davey Tree / City of Fortuna - wood chips	1	0%	chip composting w/ sludge & land application	CIWMB stats	City & Davey Tree personnel provided this data
Don's Lawns	1	0%	yard trimmings are composted	estimates based on audit	per Don Jewett's '05 waste audit
Subtotal, Residential Composting	3	0%			
Subtotal, Residential Diversion	1394	6%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits	580	2%	Detailed information must be included in Section V	Detailed information must be included in Section V	Detailed information must be included in Section V
Other Non-Residential Source Reduction (list each program separately)					
public school grasscycling in Fortuna	251	1%	SFE, FMS, FUHS, AES, TTES = 33 acres	CIWMB conversion factor of 7.6 tons per acre	based on site visits & school personnel interviews
City's greenwaste diversion & reuse	48	0%	City-generated greenwaste is ground into mulch	380 yds @ 250 lbs per yd, from 5/06 Waste Age stats	based on the City's 2006 log sheets
City grasscycling on public property	456	2%	approximately 60 acres are mowed by the City	CIWMB conversion factor of 7.6 tons per acre	per City staff & site visits
pallet reuse @ Fortuna Feed & Garden, Johnny's Flooring, Post Office, & Wildwood Saw	2	0%	reuse of pallets at warehouse or on site to store mail, flooring, firewood, hay, or straw	CIWMB stats	per site visits & data provided by employees
Fortuna Junior Academy	23	0%	this 3 acre private school campus is grasscycled	CIWMB conversion factor of 7.6 tons per acre	per school secretary Donna Brazil & site visits
Subtotal, Non-Residential Source Reduction	1359	6%			

Diversion Activity	Total Tons	Percent of Total Generation	Specific Material Type(s) (List diversion program activity w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm					
Non-Residential Recycling Activities:					
Non-Residential Waste Audits	5664	24%	Detailed information must be included in Section V	Detailed information must be included in Section V	Detailed information must be included in Section V
Other Non-Residential Recycling (list each program separately)					
Bank of America, Radio Shack, St. Joseph's Homecare	4	0%	collection, shredding & recycling of paper - not in Fortuna, by HCAR, Recall, & Shred-Away	U.S. EPA conversion factors	site visits, phone calls, & data from employees
Redwood Memorial Hospital	16	0%	grasscycling & greenwaste composting	CIWMB conversion factor of 7.6 tons per acre	per 5/12/06 waste audit, 2 acres are mowed
Wendt Construction, 357 Main St. only	10	0%	demo project with DCI Builders involved the removal of concrete structures for miscellaneous reuse by contractors	estimate based on volume of concrete	per construction company employees
North State Rendering & Footprint Recycling (biodiesel)	42	0%	both companies pick up grease from commercial accounts and recycle it	actual tonnage provided by company personnel	Fax from Mary at North State Rendering & email from Andrew @ Footprint Recycling
City of Fortuna Public Works	1146	5%	City spoils, asphalt, & concrete reuse & recycling	Tellus stats	per '06 logs maintained by Public Works
Subtotal Non-Residential Recycling	6881	29%			
Non-Residential Composting Activities					
Non-Residential Waste Audits	394	2%	Detailed information must be included in Section V	Detailed information must be included in Section V	Detailed information must be included in Section V
Other Non-Residential Composting (list each program separately)					
Caltrans (along Hwy 101 in Fortuna) & the CCC	2	0%	grasscycling & wood chip composting	per CIWMB stats	based on their AB 75 reports
Clendenen's Cider Works	30	0%	4 ac apple orchard mowing & pomace composting	CIWMB conversion factor of 7.6 tons per acre	per Clif Clendenen & site visits
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	426	2%			
Subtotal Non-Residential Diversion	8666	36%			
Other Diversion Activities					
(Note: If you are unable to provide the actual residential/non-residential split, please provide your best estimates of the split in each program type or put all the diversion under non-residential.)					
Residential					
ADC	0	0%	n/a		
Sludge (must submit sludge cert form)	0	0%	n/a		
Scrap Metal	0	0%	n/a		
Construction and Demolition	1	0%	New Horizon Drywall used Kernan or Grindables in 2006 to recycle drywall from Fortuna jobs	estimate from owner	per 3/9/07 call to Jerry
Landfill Salvage	0	0%	n/a		
Other (e.g., ag waste)	0	0%	n/a		
Subtotal Residential Waste Diversion	1	0%			

Diversion Activity	Total Tons	Percent of Total Generation	Specific Material Type(s) (List diversion program activity w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm					
Non-Residential					
ADC	81	0%	ADC taken to Altamont Landfill	actual tonnage	based on landfill & DRS records
Sludge (must submit sludge cert form)	0	0%	n/a	Fortuna started diverting sludge in 1988	
Scrap Metal	13	0%	Fortuna Iron & Ponci's Diesel do not recycle their scrap metal with ERD or HWR	estimate based on volume collected @ their sites, and CIWMB conversion factors	per site visits
Construction and Demolition	3	0%	Pacific Builders tracks their recycling of wood, drywall, & concrete	actual tons based on weight tickets	Resource Management Plan provided by Marianne Bithell of Pacific Builders
Landfill Salvage	0	0%	n/a	no active landfill located in Humboldt County	
Other (e.g., ag waste)	2	0%	pallet reuse by the City for 9/30/06 ewaste event	over 100 pallets were collected from various Fortuna sources & used to ship ewaste out of the area	per City's 2006 ewaste event records
Subtotal Non-Residential Waste Diversion	99	0%			
Subtotal Residential/ Non-Residential Other Diversion	100	0%			
Total Residential/Non-Residential Source Reduction Tons	1419	6%			
Total Diversion Tons	10160	43%			
Total Disposal Tons from Number 1	13704	57%			
Total Generation Tons (Div+Dis)	23864				
NEW GENERATION STUDY DIVERSION RATE					
	43%				
Additional Information for Report Year Calculations - Biomass and Transformation Activities (Note: you cannot claim both biomass and transformation.)					
Biomass (must submit biomass cert form and must be 10% or less of generation--use the calculator to calculate)	1098	5%			
Transformation	0	0%			
Report Year Diversion Rate with Biomass or Transformation Credit	47%				

Section IV - Specific Non-Residential Sector Waste Audits

Top 10 Non-Residential Generators

Please complete this table for the top ten non-residential businesses that were surveyed. **Use the business type in lieu of the specific business name.**(e.g., grocery store vs. Bestway Grocery Store) List each non-residential business separately from largest to smallest, based on total diversion tons. Audit reference number should be the same number used to identify businesses on the survey/audit sheets, and must be identical to the data in the Section V spreadsheet.

Audit Reference Numbe	Type of Non-Residential Generator	Include Material Type (e.g., paper, grasscycling). (List materials on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section III)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
1. HWR	scrap metal recycler	scrap metal - all types		2172		2172	9.1%	p
2. ERD	transfer station & hauler	fibers, metals, plastics, glass, greenwaste, wood, concrete, etc.		2768		2767.71	11.6%	email
3. FCD	cemetery	grasscycling	281			281	1.2%	o & p
4. ERB	brewery & restaurant	food scraps & spent hops	270			270	1.1%	p & o
5. LST	tires	tire recycling & recaps		196		196	0.8%	p & o
6. SS	grocery	cardboard, bones, fat, organics		182	124	306	1.3%	email
7. HWMA	transfer station & recycler	greenwaste & scrap metal		40	124	164	0.7%	email
8. RAS	drug store	cardboard		130		130	0.5%	o
9. RFP	grocery	cardboard, produce, & bakery	29	84		112.5	0.5%	o
10. WC	construction company	asphalt & concrete		81		81	0.3%	o & email
Totals			579.5	5652.71	248	6480.21	27.2%	

Section V - Non-Residential Generator Audit Diversion Spreadsheet

Use the type of business and audit reference number in lieu of the specific business name. For each business include the diversion activity type and associated tonnage for each diversion activity/material type, and applicable conversion factors and sources. Copies of the audit survey form(s) for each of the top ten should be included as an attachment. Click on the Section Button to add a section for another generator (ten rows and a subtotal row added to the table for each new generator). If you have any questions, please contact your OLA Representative at (916) 341-6199.

Non-Residential Generator Audit Diversion							
Non-Residential Generator Survey or Audit Identification Number	Generator Type (Example - grocery store, retail, manufacturer)	Material Type (Example - cardboard, glass, plastic, etc.)	Specific Conversion Factor and Source or Actual Weight	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
1. HWR	scrap metal recycler	scrap metal	actual tonnage generated from Fortuna sources		2172		2172
Subtotal -				0	2172	0	2172
2. ERD	transfer station/recycler	fibers, metals, plastics, glass, greenwaste, wood, concrete, etc.	actual tonnage		2767.71		2767.71
Subtotal -				0	2767.71	0	2767.71
3. FCD	cemetery district	grasscycling	CIWMB conversion factor	281			281
Subtotal -				281	0	0	281

State of California
Revised February 2, 2005

California Integrated Waste Management Board

Non-Residential Generator Survey or Audit Identification Number	Generator Type (Example - grocery store, retail, manufacturer)	Material Type (Example - cardboard, glass, plastic, etc.)	Specific Conversion Factor and Source or Actual Weight	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
Subtotal -				0	88.3	270.2	358.5
8. RAS	drug store	cardboard	MN State stats		87.4		87.4
Subtotal -				0	87.4	0	87.4
9. RFP	grocery store	cardboard, produce, baked goods	CIWMB conversion factor	28.5	84		112.5
Subtotal -				28.5	84	0	112.5
10. WC	construction company	asphalt & concrete recycling	actual weight provided by company		81		81
Subtotal -				0	81	0	81
Grand Total				580	5,664	394	6,638

Section VI - Restricted Waste					
<p>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 or generator, please provide Insert 1 following information:</p>					
<p>1. If the diversion program started on or after January 1, 1990, complete the following table.</p> <p>Note: <i>Specific Program Name</i> refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept."). Please input the complete program name with business type if appropriate. If you need to add additional programs, insert a row by clicking on the button for that section.</p>					
Restricted Waste Type	Audit Reference Number	Specific Program Name	Year Started	Generation Study Diversion Tonnage	
Inert Solids ▼	M-F	concrete washout = blocks for reuse	1994	48	
Inert Solids ▼	DB - SF	commercial remodel = brick reuse on site	2006	1	
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
<p>2. 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 Section VI. 2", provide the documentation that indicates:</p> <ul style="list-style-type: none"> ▪ 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 individual programs (PRC sec 41781.2(c)(2). Please include documentation <ul style="list-style-type: none"> ▪ The jurisdiction is implementing, and will continue to implement, the diversion Insert 3 in its Source Reduction and Recycling Element. <p>Note: <i>If documentation for a waste type and program has already been approved by the Board, you do not have to provide an "Attachment Section VI.2" for that waste type and program.</i></p> <p>Instead please provide date of Board approval of previously submitted information. _____ (Date)</p> <p>If documentation is not available, go to Number 4.</p>					
<p>3. If the diversion program started before January 1, 1990, and the documentation requested in Section VI.2" is available (but not yet approved by the Board), complete the table below for each program claimed:</p>					
Restricted Waste Type	Audit Reference Number	Specific Program Name	Generation Study 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 ▼					
<p>4. If the diversion program started before January 1, 1990, and the documentation requested in Section VI.2 is not available, complete the table below for each program claimed:</p>					
Restricted Waste Type	Audit Reference Number	Specific Program Name	Specific Program Generation Study Diversion 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 ▼					