

California Integrated Waste Management Board

Board Meeting

February 15-16, 2005

AGENDA ITEM 20

ITEM

Consideration Of A Request To Change The Base Year To 2001 For The Previously Approved Source Reduction And Recycling Element; And Consideration Of The 2001/2002 Biennial Review Findings For The Source Reduction And Recycling Element And Household Hazardous Waste Element For The Sacramento County/City of Citrus Heights Regional Agency, Sacramento County

I. ISSUE/PROBLEM STATEMENT

The Sacramento County/City of Citrus Heights Regional Agency (Agency) requested to change its base year to 2001. The Agency has requested a 55 percent diversion rate for the 2001 new base year. With the California Integrated Waste Management Board (Board) staff-recommended new base year, the Agency's diversion rate would be 56 percent for 2001 and 53 percent for 2002. In addition, Board staff conducted a 2001/2002 Biennial Review of the Agency's Source Reduction and Recycling Element (SRRE) and Household Hazardous Waste Element (HHWE) program implementation to-date and diversion rate achieved, and found that the Agency successfully implemented its SRRE and HHWE diversion programs. A complete listing of the Agency's implemented programs is provided in Attachment 1 of this agenda item. For these reasons, staff is recommending approval of the 2001/2002 Biennial Review findings for the Agency, as well as its base year change request. In its 2002 Annual Report, the Agency reserved the right to request a Senate Bill (SB) 1066 time extension if the Board were to determine that additional program implementation was necessary.

II. ITEM HISTORY

The Board accepted the Agency's 1999/2000 Biennial Review results on February 11, 2003.

III. OPTIONS FOR THE BOARD

The Board may:

1. Approve the 2001/2002 Biennial Review findings of the Agency's SRRE and HHWE and approve the agency's new 2001 base-year.
2. Approve the 2001/2002 Biennial Review findings of the Agency's SRRE and HHWE and approve the Agency's new 2001 base-year with staff's and /or Board suggested modifications.
3. The Board may find that additional program implementation is necessary to meet the requirements of Public Resources Code Sections 41825 and 41780, and allow the Agency 60 days to submit the SB 1066 time extension application, and separately accept staff's findings that the Agency has adequately implemented its HHWE; and approve the Agency's base year change.

IV. STAFF RECOMMENDATION

Staff recommends the Board adopt option No. 2: approve the Agency's request to approve the new 2001 generation base-year with staff modifications, and accept staff's 2001/2002 Biennial Review findings of the Agency's SRRE and HHWE.

V. ANALYSIS

A. Key Issues and Findings

1. Background

Public Resources Code (PRC) Section 41825 requires the Board to review each City, County, and Regional Agency (jurisdiction) SRRE and HHWE at least once every two years. The 2001/2002 Biennial Review is the Board’s independent evaluation of a jurisdiction’s progress in implementing its SRRE and HHWE programs and in meeting the 50 percent diversion requirement. As a result of this review, the Board may find: a jurisdiction has adequately implemented its diversion programs and has achieved the 50 percent diversion requirement; a jurisdiction has made a good faith effort to implement diversion programs but has not achieved the 50 percent diversion requirement; or a compliance order should be issued to a jurisdiction that has failed to adequately implement its SRRE and/or failed to achieve the diversion requirement. Jurisdictions that fail to meet the provisions of a compliance order may be subject to a fine of up to \$10,000 per day. Alternatively, a jurisdiction that is not achieving the diversion requirement may petition for a SB1066 time extension or alternative diversion requirement to the 50 percent diversion requirement.

In addition, PRC Sections 41031 (cities) and 41331 (counties) require information submitted by jurisdictions on the quantities of solid waste generated, diverted, and disposed of, to include data that are as accurate as possible. At its March 1997 meeting, the Board approved methods for jurisdictions to use for improving the accuracy of their base-year generation data. One of the approved methods allows a jurisdiction to establish a more current base year.

2. Basis for staff’s analysis

Staff’s analysis is based upon the information below.

Existing Jurisdiction Conditions:

Diversion Rate Data (Percent)					Key Jurisdiction Conditions			
					Waste Stream Data			
Base Year	1999	2000	2001	2002	Pounds waste generated per person per day (ppd)	Population	Non-Residential Waste Stream Percentage	Residential Waste Stream Percentage
2001	ND	ND	56	53	12.37	682,700	70%	30%

* These values are based on the City’s proposed (2001) base year change, discussed in the “Base Year Change” section below. Note: ND = Not determined, as prior years diversion rates are not recalculated once a jurisdiction establishes a new base year.

Geographic location: Sacramento County encompasses approximately 994 square miles in the middle of the 400-mile long Central Valley. The County is bordered by Contra Costa and San Joaquin Counties on the south, Amador and El Dorado Counties on the east, Placer and Sutter Counties on the north, and Yolo and Solano Counties on the west.

Base-Year Change:

The Agency has requested to change its base year from 1990 to 2001. The Agency’s original new base year modification request certification form is included as Attachment 2a. The Agency considers the 2001 data to be more accurate, and are the best available data.

The Agency historically has conducted annual generation studies to ensure that their diversion and disposal activities were being accurately reflected. After completing studies

for 1998 through 2000, the Agency decided to establish 2001 as a new base year so they could focus their efforts on other aspects of their waste diversion program. The Agency will continue to monitor diversion levels to ensure compliance with local ordinances.

The Agency, as well as Board staff, considers the data used in the 2001 base year study to be more representative than what was determined by the 1990 base-year generation study. Staff verified that the data included in the 2001 study is representative data to establish the base year. To estimate the waste generation in 2001, the Agency used disposal data from the Board's Disposal Reporting System and collected diversion information from the activities listed below. Staff conducted numerous site visits to verify these activities.

Program	Description
Residential:	
Residential Curbside Recycling	All single-family residences have access to a 90 gallon curbside commingled recycling container collected every other week. Materials accepted through this program include all paper types, glass bottles and jars, beverage containers, empty aerosol cans, tin foil and steel cans. A second 90 gallon container is available at no additional charge.
Residential Drop-off	Drop-off locations for recyclable materials are available at the County's North Area Transfer Station and at Kiefer Road Landfill. Materials accepted include scrap metals, inert materials, green waste, wood waste, white goods, etc.
Residential Buy-back	Fifty plus State Certified Recycling Centers are available to residents throughout Sacramento County and the City of Citrus Heights.
Residential Curbside Green waste Collection	All single-family residences have access to a 90 gallon curbside green waste container that is collected every other week. A second 90 gallon container is available at no additional charge. This material is sent for composting.
Multi-family Recycling	Solid Waste Authority Ordinance 5, passed in February 2000, requires all multi-family complexes with five units or more to provide recycling to their residents. This ordinance was phased in requiring 90% to be participating by December 31, 2001. Service of the recycling containers either needs to be provided by a permitted waste hauler, a recycling service from an independent recycler, or an owner or manager can choose to haul the recyclables themselves.
Commercial:	
Grasscycling	Grasscycling occurs at schools, county parks and recreational facilities, golf courses and cemeteries.
ADC	Greenwaste is used for ADC at the landfill.
Commercial Self-haul Greenwaste	Both the North Area Transfer Station and Kiefer Road Landfill, operated by the County, offer drop-off locations for greenwaste at decreased tip fees. Additionally, several private companies allow commercial self-haulers to deliver clean loads of greenwaste.
Commercial Self-haul of Recyclables	Numerous commercial businesses self-haul recyclables directly to recyclers. These businesses choose to haul their own recyclables because it is more feasible to back-haul recyclable commodities instead of contracting for on-site collection service.
Commercial On-Site Pick-up	Many commercial businesses receive recycling service through their waste hauler of choice. All commercial waste haulers operating in the Regional Agency boundaries must meet the requirements of Solid Waste Authority Ordinance 2. This ordinance requires all commercial haulers to divert at least 30% of the material they receive.
School Recycling Programs	Many schools within the Regional Agencies boundaries receive recycling service through their chosen waste hauler. Solid Waste Authority Ordinance 2 helps stimulate recycling in schools. Increases in school recycling participation are anticipated in the future.
Concrete/Asphalt/Rubble	Both the North Area Transfer Station and Kiefer Road Landfill accept clean loads of concrete and asphalt that is recycled. Kiefer Landfill offers significantly reduced rates for this clean material while the North Area Transfer Station charges the standard solid waste tip fee. Additionally, several large

	construction firms in the Sacramento area crush and recycle large amounts of concrete and asphalt for use in construction projects. Some of these companies accept concrete and asphalt from individuals for free or significantly reduced rates from disposal.
Supporting:	
Schools (education and curriculum)	Interactive assembly presentations are provided to approximately 65 elementary schools per year. Classroom presentations on recycling are also provided.
Ordinances	The Regional Agency through the Solid Waste Authority uses several ordinances to help drive diversion. The multi-family recycling ordinance requires multi-family housing complexes, with five units or more, to provide recycling service to its residents. Another significant ordinance driving diversion is the 30 percent diversion requirement on all permitted waste haulers.
Economic Incentives	A variable can rate for disposal on a residential level encourages increased usage of the commingled recycling and greenwaste containers. Residents have a choice of a 38-gallon, 60-gallon or 90-gallon container for waste. The larger the container chosen, the more a resident must pay per month. Decreased tipping fees are also charged for clean loads of greenwaste and concrete/asphalt at Kiefer Landfill.

Certification Changes

Originally the Agency claimed a generation-based diversion rate of 55 percent for 2001. (Attachment 2a). Attachment 2b is the Agency’s revised Base Year Modification Request Certification prepared by Board staff that provides additional details to support the generation-based diversion rate. Additionally, attachment 3 reflects the specific adjustments made to diversion amounts claimed. As a result of Board staff’s site visit/verification of the Agency’s claimed diversion; Board staff is recommending a diversion rate revision for 2001 of 56 percent.

Base Year Analysis:

Agency	Disposal	Diversion	Generation
Old Base Year Tons 1990	768,591	171,136	870,916
Jurisdiction New Base Year Tons 2001	678,498	844,283	1,522,781
Board Staff Recommended New 2001 Base Year Tons	681,021	860,294	1,541,315

2001 Diversion Rate using 1990 Base Year	Jurisdiction Claimed 2001 Diversion Rate for the New Base Year	Board Staff-Recommended 2001 Diversion Rate for the New Base Year
35%	55%	56%

In addition to any deductions already made by the Agency and Board staff, the Board has authority to make additional deductions to the diversion tonnage. Public Resources Code Sections 41031, 41033, 41331, and 41333 provide that jurisdictions’ waste characterization components (which contain the waste generation studies) shall include data that are as accurate as possible. These statutes provide the basis for allowing jurisdictions to request, and for the Board to approve, new base years. Consequently, in considering new base year requests, the standard used by the Board is whether or not the new base year is as accurate as possible. To the extent that the Board determines that a portion of the new base year is not accurate, the Board may approve the remainder of the new base year, with the inaccurate portion removed.

SRRE Implementation:

Staff conducted a 2001/2002 Biennial Review of the Agency's SRRE in accordance with the Biennial Review Process approved by the Board in May 2004. Staff review indicates that the Agency has adequately implemented the source reduction, recycling, and composting programs selected in its SRRE. This is the scenario described in Scenario I of the amended guidance document "CIWMP Enforcement Part II," approved by the Board in August 2001 (<http://www.ciwmb.ca.gov/Agendas>). A summary of the status of the Agency's SRRE-selected programs over the past six years is provided in Attachment 1.

HHWE Implementation:

Staff has also conducted a 2001/2002 Biennial Review of the Agency's HHWE implementation and found that the programs have been successfully implemented. These programs include:

- **Permanent Facilities:** Residents have access to several permanent household hazardous waste facilities. Numerous Certified Used Oil Centers are also available to residents.
- **Mobile or Periodic Collection:** The Regional Agency, in conjunction with the City of Sacramento, conducted mobile collection events through the end of 1999 when permanent household hazardous waste options were implemented.
- **Curbside Collection:** Residents may place used oil and oil filters at the curb for collection during curbside recycling collection days.
- **Education Programs:** The Regional Agency promotes household hazardous waste programs through various print and electronic media including the Sacramento County website.

3. Findings

Based on the Agency's 2001/2002 Biennial Review, staff believes that the Agency has met the 50 percent diversion requirement, and has adequately implemented its SRRE and HHWE. Staff believes the Agency adequately documented its request to change its base year to 2001. For this reason, staff is recommending approval of the Agency's new base year request.

B. Environmental Issues

Based on available information, staff is not aware of any environmental issues related to this item.

C. Program/Long Term Impacts

Improving the accuracy of jurisdiction's base year will lead to a more accurate statewide measurement.

D. Stakeholder Impacts

Approving the Agency's new base year will enable the City to more accurately measure the success of its diversion programs and therefore to more accurately report its progress to the Board.

E. Fiscal Impacts

No fiscal impact to the Board results from this item.

F. Legal Issues

As discussed above, this item represents the process for implementing PRC Sections 41031 and 41331 that require jurisdictions to submit data on quantities of waste generated, diverted and disposed that are as accurate as possible. It also represents the

process for implementing PRC Section 41825 that directs the Board to conduct a biennial review to determine a jurisdiction's progress in implementing its SRRE and HHWE.

**G. Environmental Justice
Community Setting.**

2000 Census Data – Demographics for Sacramento Unincorporated						
% White	% Hispanic	% Black	% Native American	% Asian	% Pacific Islander	% Other
64.2	13.3	7.8	0.7	9.0	0.4	0.2

2000 Census Data – Economic Data for Sacramento Unincorporated*		
Median annual income**	Mean (average) income**	% Individuals below poverty level
43,816	56,046	14.1

* Countywide **Per Household

2000 Census Data – Demographics for the City of Citrus Heights						
% White	% Hispanic	% Black	% Native American	% Asian	% Pacific Islander	% Other
79.7	10.0	2.7	0.8	2.8	0.3	0.2

2000 Census Data – Economic Data for City of Citrus Heights		
Median annual income	Mean (average) income	% Individuals below poverty level
43,859	52,080	8.3

*Per Household

- **Environmental Justice Issues.** According to the jurisdictional representative, there are no environmental justice issues in this community.
- **Efforts at Environmental Justice Outreach.** The Agency uses brochures, newsletters, and flyers to promote recycling to all residential and commercial sectors. In addition, staff attends community events and visits the local schools to promote diversion programs available in the community.
- **Project Benefits.** Improving the accuracy of jurisdiction's base year will lead to a more accurate statewide measurement.

H. 2001 Strategic Plan

This item supports Strategic Plan goal 2, objective 3 (Support local jurisdictions' ability to reach and maintain California's waste diversion mandates), strategy (D) (Assess and assist local governments' efforts to implement programs and reduce disposal, taking corrective action as needed) by assessing the Agency's efforts to implement programs and reduce disposal.

VI. FUNDING INFORMATION

This item does not require any Board fiscal action.

VII. ATTACHMENTS

1. Program Listing for the Sacramento County/City of Citrus Heights Regional Agency
- 2a. Original Base Year Modification Request Certification submitted by the Agency
- 2b. Revised Base Year Modification Request Certification prepared by Board staff
3. Site Visit Verification Findings for the Agency
4. Resolution Number 2005-44

VIII. STAFF RESPONSIBLE FOR ITEM PREPARATION

- | | |
|--|------------------------------|
| A. Program Staff: Kyle W. Pogue | Phone: (916) 341-6246 |
| B. Legal Staff: Elliot Block | Phone: (916) 341-6080 |
| C. Administrative Staff: N/A | Phone: N/A |

IX. WRITTEN SUPPORT AND/OR OPPOSITION

A. Support

Sacramento County/City of Citrus Heights Regional Agency

B. Opposition

Staff had not received any written opposition at the time this item was submitted for publication.

Office of Local Assistance
**Program Listing for
Sacramento County/City of Citrus Heights Regional Agency**

Program Code Reason	Existed?	Slcted?	Pre 1995 Start Date	1995 Status	1995 Reason	1996 Status	1996 Reason	1997 Status	1997 Reason	1998 Status	1998 Reason	1999 Status	1999 Reason	2000 Status	2000 Reason	2001 Status	2001 Reason	2002 Status
1000-SR-XGC Xeriscaping/Grasscycling	N	N	1992	AO		AO												
1010-SR-BCM Backyard and On-Site Composting/Mulching	N	Y	1992	SO		SO												
1020-SR-BWR Business Waste Reduction Program	Y	Y	1990	SO		SO												
1030-SR-PMT Procurement	N	Y	1991	SO		SO												
1050-SR-GOV Government Source Reduction Programs	N	Y	1992	SO		SO												
1060-SR-MTE Material Exchange, Thrift Shops	Y	Y	1990	SO		SO												
2000-RC-CRB Residential Curbside	Y	Y	1990	SO		SO												
2010-RC-DRP Residential Drop-Off	Y	Y	1990	SO		SO												
2020-RC-BYB Residential Buy-Back	Y	Y	1990	SO		SO												
2030-RC-OSP Commercial On-Site Pickup	Y	Y	1990	SO		SO												

Status Code Legend

SO = Selected Ongoing
AO = Alternative Ongoing
SI = Selected Implemented
AI = Alternative Implemented
M = Regional Agency did not exist or city was not incorporated or city part of Regional Agency

D = Dropped
DE = Dropped in Earlier Year
NI = Selected and Not Implemented
PF = Planned Future
NA = Program did not exist

Reason Code Legend

1 = Delays in bringing diversion facilities online.
2 = Unavoidable regulatory delays.
3 = Existing contractual or legal problems.
4 = Insufficient funding.
5 = Insufficient staffing.

6 = Lack of cooperation from other entities.
7 = Sufficient diversion without selected program.
8 = Lack of markets necessary to support program.
9 = Other

Office of Local Assistance
**Program Listing for
Sacramento County/City of Citrus Heights Regional Agency**

Program Code Reason	Existed?	Slcted?	Pre 1995 Start Date	1995 Status	Reason	1996 Status	Reason	1997 Status	Reason	1998 Status	Reason	1999 Status	Reason	2000 Status	Reason	2001 Status	Reason	2002 Status
2050-RC-SCH School Recycling Programs	Y	Y	1990	SO		SO												
2070-RC-SNL Special Collection Seasonal (regular)	N	N	1991	AO		AO												
2080-RC-SPE Special Collection Events	Y	Y	1990	SO		SO												
3000-CM-RCG Residential Curbside Greenwaste Collection	N	Y	1993	SO		SO												
3030-CM-CSG Commercial Self-Haul Greenwaste	N	Y	1991	SO		SO												
3060-CM-GOV Government Composting Programs	Y	Y	1990	SO		SO												
4020-SP-TRS Tires	Y	Y	1990	SO		SO												
4030-SP-WHG White Goods	Y	Y	1990	SO		SO												
4050-SP-WDW Wood Waste	Y	Y	1990	SO		SO												
4060-SP-CAR Concrete/Asphalt/Rubble	Y	Y	1990	SO		SO												

Status Code Legend

SO = Selected Ongoing
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SI = Selected Implemented
AI = Alternative Implemented
M = Regional Agency did not exist or city was not incorporated or city part of Regional Agency

D = Dropped
DE = Dropped in Earlier Year
NI = Selected and Not Implemented
PF = Planned Future
NA = Program did not exist

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Sacramento County/City of Citrus Heights Regional Agency**

Program Code Reason	Existed?	Slcted?	Pre 1995 Start Date	1995 Status	1995 Reason	1996 Status	1996 Reason	1997 Status	1997 Reason	1998 Status	1998 Reason	1999 Status	1999 Reason	2000 Status	2000 Reason	2001 Status	2001 Reason	2002 Status
4090-SP-RND Rendering	Y	Y	1990	SO		SO												
5000-ED-ELC Electronic (radio ,TV, web, hotlines)	N	Y	1990	SO		SO												
5010-ED-PRN Print (brochures, flyers, guides, news articles)	N	Y	1992	SO		SO												
5020-ED-OUT Outreach (tech assistance, presentations, awards, fairs, field trips)	Y	Y	1990	SO		SO												
5030-ED-SCH Schools (education and curriculum)	N	Y	1991	SO		SO												
6010-PI-EIN Economic Incentives	Y	Y	1990	SO		SO												
6020-PI-ORD Ordinances	N	Y	NA	SI		SO												
7010-FR-LAN Landfill	Y	Y	1990	SO		SO												
7020-FR-TST Transfer Station	Y	Y	1990	SO		SO												
7030-FR-CMF Composting Facility	N	Y	1995	SI		SO												

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Office of Local Assistance
**Program Listing for
Sacramento County/City of Citrus Heights Regional Agency**

Program Code Reason	Existed?	Slcted?	Pre 1995 Start Date	1995 Status	1995 Reason	1996 Status	1996 Reason	1997 Status	1997 Reason	1998 Status	1998 Reason	1999 Status	1999 Reason	2000 Status	2000 Reason	2001 Status	2001 Reason	2002 Status
7040-FR-ADC Alternative Daily Cover	N	N	NA	NA		NA		AI		AO								
8010-TR-BIO Biomass	Y	Y	1990	SO		SO												
8020-TR-TRS Tires	Y	Y	1990	SO		SO												
9000-HH-PMF Permanent Facility	N	Y	NA	PF 1		SI		SO										
9010-HH-MPC Mobile or Periodic Collection	Y	Y	1982	SO		SO												
9020-HH-CSC Curbside Collection	Y	Y	1982	SO		SO												
9040-HH-EDP Education Programs	Y	Y	1990	SO		SO												
9050-HH-OTH Other HHW	N	N	NA	PF		AI		AO										

Add any additional programs below

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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:

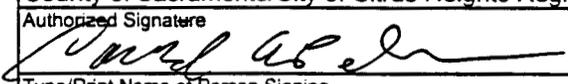
California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

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 of Sacramento/City of Citrus Heights Regional		County Sacramento	
Authorized Signature 		Title Director, Dep. of Waste Mgmt & Recycling	
Type/Print Name of Person Signing David A. Pelser, P.E., D.E.E.	Date 1/28/04	Phone () Include Area Code (916) 875-6789	
Person Completing This Form (please print or type) Doug Kobold		Title Solid Waste Planner	
Affiliation:	Employee, Dep. Of Waste Mgmt. & Recycling		
Mailing Address 9850 Goethe Road	City Sacramento	State CA	ZIP Code 95827-3561
E-Mail Address koboldd@SacCounty.net			

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		2001	
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:			
The proposed generation study represents actual surveyed data collected for Calendar Year 2001 using the same methodologies as were applied to the 1998 through 2000 reporting years based on a generation based calculation of the Regional Agency's diversion rate. The 2000 values were audited by the CIWMB and the State Auditor's Office in 2001 for validity. Further, as shown on "Table A-2: Historical Results of CIWMB Calculator for the RA", on Page A-3 of the attached New Base Year for 2001 Report, the Generation Based Diversion Rate column shows a steady increase in the diversion percentage as programs were implemented, then finally levelling off upon completion of implementation.			
4. Enter diversion rate information below.			
Diversion rate calculated using existing base year		Diversion rate calculated using new generation-based study	
a. 18 %		b. 55 %	
For existing base year pounds/person/day based on generation		For new generation based study pounds/person/day based on generation	
8.16		12.24	
Residential generation 49.3 %	Non-Residential generation 50.7 %	Residential generation 48.6 %	Non-Residential generation 51.4 %
Population existing generation-based study 632,330		Population new generation-based study 681,500	
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).			
Since 1998, all diversion efforts within the Regional Agency (RA) have been tracked by estimating actual tons diverted using local ordinance reporting requirements and approved survey methodologies. By 1998, the existing base year appeared to be inaccurate when using it to determine the diversion rate each year for the RA (see Table A-2 as referred in in the response to Question 3 above). For Reporting Year 2000, the CIWMB audited the methodologies for determining the generation based accounting method used by the RA for developing the diversion rate for that year. The CIWMB approved the 2000 diversion rate for the RA in February 2003. Using the New Base Year for 2001 to determine the diversion rate for 2002, the result for 2002 is similar to the rates for 2000 & 2001. This is contrary to the results using the existing base year from 1990. The difference for preliminary values for 2002 are 29% vs. 51% using the 1990 vs. 2001 Base Years, respectively.			
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 difference of 37% between the 1990 Base Year and the 2001 Base Year is based on more current and accurate measurement of the existing diversion taking place now, rather than almost 14 years ago. With all of the proposed SRRE programs being implemented and local ordinances being in-place and enforced since the mid-1990's, a more accurate measurement of actual diversion taking place today is possible.			

7. Disposal Tonnage (enter values):	288350 <small>Residential</small>	390148 <small>Non-Residential</small>	678498 <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					
	(A)	(A/Total Generation)			
Residential Source Reduction Activities					
Backyard composting	3679	0.2%	See Attached New Base Year Report		Consultant Report
Grasscycling	16865	1.1%	See Attached New Base Year Report		Consultant Report
Other Residential Source Reduction (list each program separately)					
Thrift Stores	11401	0.7%	See Attached New Base Year Report		Consultant Report
Diaper Service	107	0.0%	Cloth Diapers	See Attached New Base Year Report	Diaper Service Interview Notes
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	32053	2.1%			
Residential Recycling Activities					
Curbside Recycling	58732	3.9%	See Section A - Chart 3 of New Base Year Study Report		
Buyback Centers	11839	0.8%	AB 2020 Program Materials		DOC Records
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	70571	4.6%			
Residential Composting Activities					
Green Waste Drop-off			Included in Curbside Green Waste Figure		
Curbside Green Waste	92394	6.1%	Curbside Containerized Green Waste, Christmas Trees, County Facilities Self-Haul, Etc.		Tonnage Records
Christmas Tree Program			Included in Curbside Green Waste 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	92394	6.1%			
Subtotal, Residential Diversion	195019	12.8%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*			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					
Enter program name					
Subtotal, Non-Residential Source Reduction	0	0.0%			

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.clwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm					
Recycling					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other Non-Residential Recycling (list each program separately)					
County Facilities Self-Haul	26682	1.8%	Inerts, White Goods, Wood Waste, Tires, CRTs, Etc. (See attached New Base Year Study Report)		Tonnage Records
Private Facilities Self-Haul	97748	6.4%	Card Board, MRF Fines/ADC, Green Waste, Inerts, Metals, Plastics, Etc. (See attached New Base Year Study Report)		Quarterly Survey Forms - Maintained at RA Office
SWA Franchisees (Franchised Commercial Haulers)	105930	7.0%	Card Board, MRF Fines/ADC, Commingled Recyclables, Glass, Green Waste, Inerts, Metals, Plastics, Etc. (See attached New Base Year Study Report)		Quarterly Survey Forms - Maintained at RA Office
Local Recycling Companies	370701	24.3%	Cardboard, Glass, Green Waste, Inerts, Metals, Mixed Paper, Etc. (See attached New Base Year Study Report)		Annual Survey Forms - Maintained at RA Office
Mill Direct Recyclable Marketing	21982	1.4%	Cardboard, Mixed Paper, Newspaper, Etc. (See attached New Base Year Study Report)		Annual Survey Forms - Maintained at RA Office
Subtotal Non-Residential Recycling	623044	40.9%			
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	623044	40.9%			
Residential/Non-Residential Diversion Activities					
ADC	14274	0.9%	MRF Fines, Green Waste, C&D Processing Fines		Quarterly Survey Forms - Maintained at RA Office
Sludge					
Scrap Metal	11774	0.8%	Metals Recovered at Facilities & Recycling Companies		Quarterly Survey Forms & Tonnage Data - Maintained at RA Office
Construction and Demolition			Included in County & Private Facilities, SWA Franchisees, Local Recycling Companies		
Landfill Salvage	172	0.0%	Materials Recovered from Tipping Area (Program ended in April, 2001)		Tonnage Data
Subtotal Residential/Non-Residential Diversion	26220	1.7%			
Total Res/Non-Res Source Reduction Tons	32053	2.1%			
Total Diversion Tons	844283	55.4%			

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.chwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Total Disposal Tons from Sec.7	678498	44.6%			
Total Generation Tons (Div+Dis)	1522781				
Diversion Rate	55%				

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 _____
Totals								

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).

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
White Goods	County Operated White Goods Program (CFC) at NCU, TS, and LF	1996	2522
Inert Solids	SWA Ord. No. 2 & Resolution 96-01 (drop box/C&D)	1996	337504
Scrap Metal	SWA Ord. No. 2 & Resolution 96-01 (Recovery through Processing)	1996	11774
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				

Total Waste Generation - 2001

Sacramento County Unincorporated Area & the City of Citrus Heights

Disposal																																							
Kiefer Landfill	North Transfer Station	Florin-Perkins Landfill	L & D Landfill	Sacramento Recycling & Transfer Station	Elder Creek Transfer Station	Other Export			Total																														
222,364	145,595	20,999	50,289	65,814	160,418	9,092			674,572																														
						9,250	Forward Correction		683,822	w/Correction																													
						-5,323	Anderson Correction		678,498	w/Correction																													
Diversions																																							
County Operations & South Area Contractor	Franchisee	Facilities	Recyclers	Reduction	Mill-Direct			Total																															
177,981	121,831	103,946	386,491	32,053	21,982			844,283																															
SUPPORT INFORMATION		SWA City/County Factor:		62.2773%																																			
County Ops./South County*			*Note: Excludes Elk Grove Tonnage		Recyclers																																		
			Tonnage	County Value						Tonnage	County Value																												
Commingled			58,732	58,732	A1 Metals					Confidential																													
Green Waste Collection			92,394	92,394	C & C Paper Recycling																																		
Wood at Kiefer			3,050	3,050	Federal Asset Recovery																																		
Wood at NARS			13,075	8,143	Granite Construction																																		
Inerts at Kiefer			9,718	9,718	Ming's Metal Recycling																																		
Salvage at Kiefer			64	64	Lionudakis Wood & Green Waste																																		
Salvage at NARS			172	107	Pacific Coast Waste Paper																																		
Appliances/Metal at Kiefer			1,033	1,033	Progressive Metals																																		
Appliances/Metal at NARS			2,391	1,489	Schnitzer Steel Products																																		
Tires			344	344	Senior Gleaners, Inc.																																		
Wood/Brush ADC			153	153	Sims Metal America - North																																		
CRT Recycling at Kiefer			7	7	Sims Metal America - South																																		
CRT Recycling at NARS			47	29	Smurfit Recycling - North																																		
Other			2,718	2,718	Smurfit Recycling - South																																		
TOTAL			183,898	177,981	Strategic Materials																																		
City Share			5,917		Sunshine Padding & Foam Recycling																																		
Franchisee			Tonnage	County Value	Sunshine Steel																																		
Advance Disposal			Confidential		Super Pallet Recycling																																		
ARS, Inc.					Confidential		Total Tire Recycling																																
Atlas Disposal							Confidential		WMC&R																														
BFI									Confidential		Weyerhaeuser Co.																												
Camariillo Waste Removal											Confidential		SMUD - Wood Chip Program																										
Central Valley Waste													Confidential		County Dept. of Transportation - Landscape																								
Coastal Waste and Recycling															Confidential		County Dept. of Transportation - Paving																						
D&D Disposal																	Confidential		CA Emergency Foodlink																				
Norcal of Sacramento																			Confidential		DC Metals																		
Northwest Recyclers																					Confidential		CEAR, Inc.																
Sierra Waste Transportation																							Confidential		Teichert Aggregates, Perkins Plant														
Waste Removal & Recycling																									Confidential		HMR Group - Sacramento												
WMI of Sacramento																											Confidential		HMR Group - San Francisco										
Western Strategic																													Confidential		Hewlett-Packard Company								
TOTAL																															Confidential		Recycling Industries						
City Share																																	Confidential		Certified AB 2020 Centers (Dept. of Conservation)				
Non-SWA City/County Factor:																																			Confidential		Tri-C Manufacturing, Inc.		
			Confidential																																		California Concrete Crushing & Recycling		
					Confidential																																Riverside Aggregates		
							Confidential																														Roseville Aggregates		
									Confidential																												Travis Reid Recycling		
											Confidential																										The Saints Recycling Service		
													Confidential																								EBI Aggregates		
															Confidential																						Bell Marine Co., Inc.		
																	Confidential																				TOTAL		
City Share																			Confidential																				273,789
Reduction																																							
																					Tonnage	County Value															Tonnage	County Value	
Backyard Composting																					3,679	3,679	Mill-Direct																
Thrift Stores																					19,567	11,401																	
Garage Sales																					-	-	Albertson's Inc.																
Diaper Service																					172	107	Allan Company																
Grasscycling & Mulching																					16,865	16,865	American River Packaging																
TOTAL																					40,283	32,053	Goodwill Industries																
City Share			8,231																		Home Depot																		
					Raley's & Bel Air																																		
					Ralph's																																		
					Safeway																																		
					Sutta Co.																																		
					Sub-TOTAL			17,336	13,817																														
City Share							3,519																																
Mill-Direct (Rendering)																																							
			Tonnage	County Value																																			
					Albertson's Inc.																																		
					Raley's & Bel Air																																		
					Ralph's																																		
					Safeway																																		
					Modesto Tallow Company																																		
					Sacramento Rendering Company																																		
					Sub-TOTAL			12,179	8,165																														
City Share							4,014																																
					MILL-DIRECT TOTAL																																		
							29,515	21,982																															

Diversion Machine 2001.9.xls

Total Waste Generation - 2001
Sacramento County Unincorporated Area & the City of Citrus Heights

Disposal										
Kiefer Landfill	North Transfer Station	Florin-Perkins Landfill	L & D Landfill	Sacramento Recycling & Transfer Station	Elder Creek Transfer Station	Other Export			Total	
222,364	145,595	20,999	50,289	65,814	160,418	9,092			674,572	
						9,250	Forward Correction		683,822	w/Correction
						-5,323	Anderson Correction		678,499	w/Correction
									681021	
Diversions										
County Operations & South Area Contractor	Franchisee	Facilities	Recyclers	Reduction	Mill-Direct			Total		
477,984	424,834	103,946	386,494	32,063	21,982			844,283		
177,945	119,102	103,946	425,346	11974	21982			860,295		
SUPPORT INFORMATION										
		SWA City/County Factor:		62.2773%						
County Ops./South County*										
		*Note: Excludes Elk Grove Tonnage				Recyclers				
		Tonnage	County Value			Tonnage	County Value			
Commingled		58,732	58,732			A1 Metals				
Green Waste Collection		92,394	92,394			C & C Paper Recycling				
Wood at Kiefer		3,050	3,050			Federal Asset Recovery				
Wood at NARS		13,075	8,143			Granite Construction				
Inerts at Kiefer		9,718	9,718			Ming's Metal Recycling				
Salvage at Kiefer		64	64			Lionidakis Wood & Green Waste				
Salvage at NARS		172	107			Pacific Coast Wastepaper				
Appliances/Metal at Kiefer		1,033	1,033			Progressive Metals				
Appliances/Metal at NARS		2,391	1,489			Schnitzer Steel Products				
Tires		344	344			Senior Gleaners, Inc.				
Wood/Brush ADC		153	153			Sims Metal America - North				
CRT Recycling at Kiefer		7	7			Sims Metal America - South				
CRT Recycling at NARS		47	29			Smurfit Recycling - North				
Other		2,718	2,718			Smurfit Recycling - South				
TOTAL		183,898	477,984	177,945			Strategic Materials			
	City Share	5,917				Sunshine Padding & Foam Recycling				
Franchisee										
		Tonnage	County Value			Sunshine Steel				
Advance Disposal						Super Pallet Recycling				
ARS, Inc.						Total Tire Recycling				
Atlas Disposal						WMC&R				
BFI						Weyerhaeuser Co.				
Camarillo Waste Removal						SMUD - Wood Chip Program				
Central Valley Waste						County Dept. of Transportation - Landscape				
Coastal Waste and Recycling						County Dept. of Transportation - Paving				
D&D Disposal						CA Emergency Foodlink				
Norcal of Sacramento						DC Metals				
Northwest Recyclers						CEAR, Inc.				
Sierra Waste Transportation						Taichert Aggregates, Perkins Plant				
Waste Removal & Recycling						HMR Group - Sacramento				
WMI of Sacramento						HMR Group - San Francisco				
Western Strategic						Hewlett-Packard Company				
TOTAL		195,626	424,834			Recycling Industries				
	City Share	73,796	119,102			Certified AB 2020 Centers (Dept. of Conservation)				
Private Facilities (Self-Haul)										
		Non-SWA City/County Factor:		58.2878%						
		Tonnage	County Value							
Elder Creek Transfer		14,541	8,473			California Concrete Crushing & Recycling				
Florin-Perkins		128,547	74,902			Riverside Aggregates				
L&D		34,059	19,845			Roseville Aggregates				
Sacramento Recycling & Transfer		1,246	726			Travis Reid Recycling				
TOTAL		178,393	103,946			The Saints Recycling Service				
	City Share	62,862				EBI Aggregates				
						Bell Marine Co., Inc.				
Reduction										
		Tonnage	County Value	Board staff version	City Share	TOTAL	660,280	386,484		
Backyard Composting		3,679	3,679	2537	Mill-Direct		273,789	425,346		
Thrift Stores		19,587	11,404	9330						
Garage Sales		-	-							
Diaper Service		172	107	107		Albertson's Inc.	2,288	2,288		
Grasscycling & Mulching		16,865	16,865	11974		Allan Company	550	343		
TOTAL		40,283	32,063			American River Packaging	633	394		
	City Share	8,231				Goodwill Industries	1,236	769		
						Home Depot	117	117		
						Raley's & Bel Air	1,542	1,542		
						Ralph's	1,683	1,683		
						Safeway	2,379	2,379		
						Sutta Co.	6,910	4,303		
						Sub-TOTAL	17,336	13,817		
						City Share	3,519			
Mill-Direct (Rendering)										
						Tonnage	County Value			
						Albertson's Inc.	71	71		
						Raley's & Bel Air	1,163	1,163		
						Ralph's	118	118		
						Safeway	186	186		
						Modesto Tallow Company	141	88		
						Sacramento Rendering Company	10,500	6,539		
						Sub-TOTAL	12,179	8,165		
						City Share	4,014			
						MILL-DIRECT TOTAL	29,515	21,982		

Diversions Machine 2001.9.xls

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	
County of Sacramento/City of Citrus Heights Regional		Sacramento	
Authorized Signature		Title	
Type/Print Name of Person Signing		Date	Phone () Include Area Code
		8-Jan-04	(916) 875-6789
Person Completing This Form (please print or type)		Title	
Kyle Pogue/Kaoru Cruz		Solid Waste Planner	
Affiliation:	CIWMB		
Mailing Address	City	State	ZIP Code
9850 Goethe Road	Sacramento	CA	95827-3561
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		2001	
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:			
The proposed generation study represents actual surveyed data collected for Calendar Year 2001 using the same methodologies as were applied to the 1998 through 2000 reporting years based on a generation based calculation of the Regional Agency's diversion rate. The 2000 values were audited by the CIWMB and the State Auditor's Office in 2001 for validity. Further, as shown on "Table A-2: Historical Results of CIWMB Calculator for the RA", on Page A-3 of the attached New Base Year for 2001 Report, the Generation Based Diversion Rate column shows a steady increase in the diversion percentage as programs were implemented, then finally levelling off upon completion of implementation.			
4. Enter diversion rate information below.			
Diversion rate calculated using existing base year		a. 18 %	Diversion rate calculated using new generation-based study
For existing base year pounds/person/day based on generation		8.16	b. 56 %
Residential generation 49.3 %		Non-Residential generation 50.7 %	For new generation based study pounds/person/day based on generation
Residential generation 30 %		Non-Residential generation 70 %	12.37
Population existing generation-based study 632,330		Population new generation-based study 682,700	
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).			
Since 1998, all diversion efforts within the Regional Agency (RA) have been tracked by estimating actual tons diverted using local ordinance reporting requirements and approved survey methodologies. By 1998, the existing base year appeared to be inaccurate when using it to determine the diversion rate each year for the RA (see Table A-2 as referred in in the response to Question 3 above). For Reporting Year 2000, the CIWMB audited the methodologies for determining the generation based accounting method used by the RA for developing the diversion rate for that year. The CIWMB approved the 2000 diversion rate for the RA in February 2003. Using the New Base Year for 2001 to determine the diversion rate for 2002, the result for 2002 is similar to the rates for 2000 & 2001. This is contrary to the results using the existing base year from 1990. The difference for preliminary values for 2002 are 29% vs. 51% using the 1990 vs. 2001 Base Years, respectively.			
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 difference of 37% between the 1990 Base Year and the 2001 Base Year is based on more current and accurate measurement of the existing diversion taking place now, rather than almost 14 years ago. With all of the proposed SRRE programs being implemented and local ordinances being in-place and enforced since the mid-1990's, a more accurate measurement of actual diversion taking place today is possible.			

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.ciwmib.ca.gov/LGCentral/Plans/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	70571	4.6%			
Residential Composting Activities					
Green Waste Drop-off			Included in Curbside Green Waste Figure		
Curbside Green Waste	92394	6.0%	Curbside Containerized Green Waste, Christmas Trees, County Facilities Self-Haul, Etc.	actual weight	Tonnage Records
Christmas Tree Program			Included in Curbside Green Waste 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	92394	6.0%			
Subtotal, Residential Diversion	174940	11.4%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits*			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					
Enter program name					
Subtotal, Non-Residential Source Reduction	0	0.0%			

7. Disposal Tonnage (enter values):	288350	392671	681021
	Residential	Non-Residential	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/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Residential Source Reduction Activities					
Backyard composting	2537	0.2%	grass clippings and food scraps	577lbs/hh/yr (grass) 225lbs/hh/yr (food)	Consultant Report
Grasscycling	0	0.0%			
Other Residential Source Reduction (list each program separately)					
Thrift Stores	9330	0.6%	See Attached New Base Year Report		Consultant Report
Diaper Service	107	0.0%	Cloth Diapers	See Attached New Base Year Report	Diaper Service Interview Notes
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal, Residential Source Reduction	11974	0.8%			
Residential Recycling Activities					
Curbside Recycling	58732	3.8%	See Section A - Chart 3 of New Base Year Study Report	actual weight	Haulers reports
Buyback Centers	11839	0.8%	AB 2020 Program Materials	actual weight	DOC Records
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.chwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Total Disposal Tons from Sec.7	881021	44.2%			
Total Generation Tons (Div+Dis)	1541315				
Diversion Rate	56%				

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.clwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm					
(A)					
(A/Total Generation)					
Recycling					
Non-Residential Waste Audits*					
		See Section 9		See Section 9	
Other Non-Residential Recycling (list each program separately)					
County Facilities Self-Haul	26646	1.7%	Inerts, White Goods, Wood Waste, Tires, CRTs, Etc. (See attached New Base Year Study Report)	actual weight	Tonnage Records
Private Facilities Self-Haul	97748	6.3%	Card Board, MRF Fines/ADC, Green Waste, Inerts, Metals, Plastics, Etc. (See attached New Base Year Study Report)	actual weight	Quarterly Survey Forms - Maintained at RA Office
SWA Franchisees (Franchised Commercial Haulers)	105930	6.9%	Card Board, MRF Fines/ADC, Commingled Recyclables, Glass, Green Waste, Inerts, Metals, Plastics, Etc. (See attached New Base Year Study Report)	actual weight	Quarterly Survey Forms - Maintained at RA Office
Local Recycling Companies	409557	26.6%	Cardboard, Glass, Green Waste, Inerts, Metals, Mixed Paper, Etc. (See attached New Base Year Study Report)	actual weight	Annual Survey Forms - Maintained at RA Office
Mill Direct Recyclable Marketing	21982	1.4%	Cardboard, Mixed Paper, Newspaper, Etc. (See attached New Base Year Study Report)	actual weight	Annual Survey Forms - Maintained at RA Office
Subtotal Non-Residential Recycling	661864	42.9%			
Non-Residential Composting Activities					
Non-Residential Waste Audits*					
		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	661864	42.9%			
ADC	11545	0.7%	MRF Fines, Green Waste, C&D Processing Fines	actual weight	Quarterly Survey Forms - Maintained at RA Office
Sludge					
Scrap Metal	11774	0.8%	Metals Recovered at Facilities & Recycling Companies	actual weight	Quarterly Survey Forms & Tonnage Data - Maintained at RA Office
Construction and Demolition			Included in County & Private Facilities, SWA Franchisees, Local Recycling Companies		
Landfill Salvage	172	0.0%	Materials Recovered from Tipping Area (Program ended in April, 2001)	actual weight	Tonnage Data
Subtotal Residential/Non-Residential Diversion	23491	1.5%			
Total Res/Non-Res Source Reduction Tons	11974	0.8%			
Total Diversion Tons	860294	55.8%			

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 _____
Totals								

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).

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
White Goods	County Operated White Goods Program (CFC) at NCU, TS, and LF	1996	2522
Inert Solids	SWA Ord. No. 2 & Resolution 96-01 (drop box/C&D)	1996	375605
Scrap Metal	SWA Ord. No. 2 & Resolution 96-01 (Recovery through Processing)	1996	11774
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				

Table A: Site Visit Verification Findings, Diversion Tonnage and Deductions for the Sacramento County/City of Citrus Heights Regional Agency					
Generator Identification	Material Type/Prgm Activity	Regional Agency Claim (tons)	NBY Methodology	Verification Findings (tons)	Verification Findings/Site Visit Methodology
Residential backyard composting	greenwaste and food waste	3,679.00	577lbs/hh/yr for grass 225lbs/hh/yr for foodwaste	2,537.00	<p>The Board staff determined the methodology to quantify the backyard composting to be adequate. From that the study concluded that 2,537 tons of materials were composted by residents in 2001.</p> <p>The RA also quantified diversion from backyard composting through the number of attendees at workshops from 1993-2001 (10,690 total). The RA used the same allocation percentages and lbs/per household/yr conversion factor as used in the study mentioned above. The end result was 3,680 tons of diversion claimed. The RA did not actually survey these attendees to determine if they were still composting. Although the 3,680 tons claimed is small relative to the overall generation amount, this methodology makes assumptions that are not substantiated through sufficient data.</p>
Subtotal #1		3,679.00		2,537.00	1,142.00
Residential grasscycling	grass clipping	16,865.00	350lbs/sqft/yr	0.00	The Regional Agency did not verify the methodology (# of mulch mower sales and its correlation of grasscycling practice and amount), they used to calculate the estimated amount.
Subtotal #2		16,865.00		0.00	16,865.00
Recycler	Inerts (e.g., concrete and asphalt)	66,043.00	Scale Weights	75,981.60	Weights are tracked on an outbound scale after they are processed for recycling. Business contact verified the tonnage amount claimed. This program started in 1998. There was a miscalculation in the allocation of the diversion tonnage due to the incorrect application of the restricted waste criteria. The correction to this tonnage is reflected in the "verification finding" column. The restricted waste criteria were met.
Subtotal #3		66,043.00		75,981.60	-9,938.60
Thrift Stores	Various	11,401.00	conversion factors for each item	9,330.00	The City surveyed 19 thrift stores and used conversion factors for items they catalogued. However, some stores did not respond or refused to meet with the City staff; therefore, the City used a conversion factor (lbs/employee) to estimate the diversion amount. The Board staff recommends only to accept the surveyed amount.
Subtotal #4		11,401.00		9,330.00	2,071.00
Recycler	Inerts (e.g., concrete and asphalt)	51,010.00	Scale Weights	58,687.00	Tonnage amounts are substantiated with weight receipts, and origin of material is substantiated by a detailed recordkeeping system this company maintains. There was a miscalculation in the allocation of the diversion tonnage due to the incorrect application of the restricted waste criteria. The correction to this tonnage is reflected in the "verification finding" column. The restricted waste criteria were met.
Subtotal #6		51,010.00		58,687.00	-7,677.00
Recycler	Inerts (e.g., concrete and asphalt)	871.00	Scale Weights	871.00	Tonnage amounts are substantiated with weight receipts, and origin of material was substantiated because all County projects are for County roads. The restricted waste criteria were met.
Subtotal #7		871.00		871.00	0.00

Generator Identification	Material Type/Pgrm Activity	Regional Agency Claim (tons)	NBY Methodology	Verification Findings (tons)	Verification Findings/Site Visit Methodology
Recycler	Inerts (e.g., concrete and asphalt)	39467.00	Scale Weights	45,406.00	Tonnage amounts are based upon weight tickets and origin of material was confirmed by the Recycler contact person. Staff increased this tonnage due to an incorrect application of the restricted waste criteria by regional agency staff. The increased tonnage amount reflects the restricted waste criteria accurately.
Subtotal #8		39,467.00		45,406.00	-5,939.00
Recycler	Inerts (e.g., concrete and asphalt)	36,479.00	Scale Weights	41,966.00	Tonnage amounts are based upon weight tickets and origin of material was confirmed by the Recycler contact person. Staff increased this tonnage due to an incorrect application of the restricted waste criteria by regional agency staff. The increased tonnage amount reflects the restricted waste criteria accurately.
Subtotal #9		36,479.00		41,966.00	-5,487.00
Recycler	Inerts (e.g., concrete and asphalt)	28,676.00	Scale Weights	32,988.00	Tonnage amounts are based upon weight tickets and origin of material was confirmed by the Recycler contact person. Staff increased this tonnage due to an incorrect application of the restricted waste criteria by regional agency staff. The increased tonnage amount reflects the restricted waste criteria accurately.
Subtotal #10		28,676.00		32,988.00	-4,312.00
Recycler	Inerts (e.g., concrete and asphalt)	37,339.00	Scale Weights	42,956.00	Tonnage amounts are based upon weight tickets and origin of material was confirmed by the Recycler contact person. Staff increased this tonnage due to an incorrect application of the restricted waste criteria by regional agency staff. The increased tonnage amount reflects the restricted waste criteria accurately.
Subtotal #11		37,339.00		42,956.00	-5,617.00
ADC	greenwaste, C&D, MRF fines	14,274.00	Actual weights	11,545.00	The submitted tonnage was different from reported ADC tonnage in the DRS; therefore, it was corrected.
		14,274.00		11,545.00	2,729.00
CRT Recycling	CRT	151.00	Actual weights	0.00	CRT's are hazardous waste; therefore the amount was deducted.
		151.00		0.00	151.00
TOTAL		306,255.00		322,267.60	-16,012.60
Disposal Modification					
Disposal		678498.00		681,021.00	The Regional Agency submitted the disposal modification request after submittal of certification form. The Board staff reviewed the request and the latest information was used for the staff certification form.

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Resolution 2005-44

Consideration Of A Request To Change The Base Year To 2001 For The Previously Approved Source Reduction And Recycling Element; And Consideration Of The 2001/2002 Biennial Review Findings For The Source Reduction And Recycling Element And Household Hazardous Waste Element For The Sacramento County/City Of Citrus Heights Regional Agency, Sacramento County

WHEREAS, Public Resources Code Sections 41031 (Cities) and 41331 (Counties) requires that information submitted by a jurisdiction on the quantities of solid waste it has generated, diverted and disposed, shall include data as accurate as possible to enable the Integrated Waste Management Board (Board) to accurately measure the jurisdiction's achievement of the diversion requirement pursuant to PRC Section 41780; and

WHEREAS, the Sacramento County/City of Citrus Heights Regional Agency (Agency) submitted documentation requesting to change its base year to 2001, which it claims is as accurate as possible;

WHEREAS, a portion of the diversion tonnage originally claimed by the Agency has been modified as a result of staff verification, and is reflected in the staff-revised certification; and

WHEREAS, PRC Section 41821 requires a jurisdiction to annually submit to the Board by August 1 a report on its progress in implementing its Source Reduction and Recycling Element (SRRE) and Household Hazardous Waste Element and in achieving the diversion requirements of PRC Section 41780; and

WHEREAS, PRC Section 41825 requires the Board to review each City, County, and Regional Agency's (jurisdiction) SRRE and HHWE at least once every two years; and

WHEREAS, by conducting the Biennial Review in accordance with Title 14 California Code of Regulations Section 18772 based in large part on a jurisdiction's annual reports, the Board will determine if a jurisdiction has implemented its SRRE and HHWE programs, and if a jurisdiction is meeting the diversion requirements as specified under PRC Section 41780; and

WHEREAS, by conducting the Biennial Review in accordance with Title 14 California Code of Regulations Section 18772 and the Board's CIWMP Enforcement Policy Part II revised August 14-15, 2001 [authorized by PRC Section 41850(d)(3)], the Board determines if the jurisdiction has implemented its SRRE and HHWE programs, and if the jurisdiction is meeting the diversion requirements as specified under PRC Section 41780; and

(over)

WHEREAS, based on the Biennial Review of the SRRE and HHWE for the jurisdictions listed above, Board staff found that the Agency adequately complied with the SRRE and HHWE implementation and 50 percent diversion rate requirements, and recommends the Board accepts this finding; and

NOW, THEREFORE, BE IT RESOLVED that the Board hereby approves the base-year change, as modified, to 2001 for the Agency.

NOW, THEREFORE, BE IT FURTHER RESOLVED, that the Board hereby accepts the finding that the Sacramento County/City of Citrus Heights Regional Agency is adequately implementing its SRRE and HHWE and is meeting the 50 percent diversion requirement.

CERTIFICATION

The undersigned Executive Director, or his designee, of the California Integrated Waste Management Board does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the California Integrated Waste Management Board held on February 15-16, 2005.

Dated:

Mark Leary
Executive Director