

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

8800 Cal Center Drive
Sacramento, California 95826



Wesley Chesbro, Chairman
Kathy Neal, Member
Paul Relis, Member

Tuesday, May 4, 1993
1:30 p.m.
meeting of the

LOCAL ASSISTANCE AND PLANNING COMMITTEE

of the
CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

8800 Cal Center Drive
Sacramento, CA 95826

AGENDA

Note: o Agenda items may be taken out of order.
o If written comments are submitted, please provide 20 two-sided copies.

Important Notice: The Board intends that Committee Meetings will constitute the time and place where the major discussion and deliberation of a listed matter will be initiated. After consideration by the Committee, matters requiring Board action will be placed on an upcoming Board Meeting Agenda. Discussion of matters on Board Meeting Agendas may be limited if the matters are placed on the Board's Consent Agenda by the Committee. Persons interested in commenting on an item being considered by a Board Committee or the full Board are advised to make comments at the Committee meeting where the matter is considered.

1. CONSIDERATION OF APPROVAL OF THE DRAFT STATEWIDE WASTE PREVENTION PLAN
2. CONSIDERATION OF PETITION FOR REDUCTIONS IN THE SOURCE REDUCTION AND RECYCLING ELEMENT PLANNING AND DIVERSION REQUIREMENTS FOR THE UNINCORPORATED AREA OF LASSEN COUNTY
3. OPEN DISCUSSION
4. ADJOURNMENT

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Notice:

The Committee may hold a closed session to discuss the appointment or employment of public employees and litigation under authority of Government Code Sections 11126 (a) and (q), respectively.

For further information contact:
INTEGRATED WASTE MANAGEMENT BOARD
8800 Cal Center Drive
Sacramento, CA 95826

Catherine Foreman
(916) 255-2156

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

LOCAL ASSISTANCE AND PLANNING COMMITTEE

MAY 4, 1993

AGENDA ITEM 1

ITEM: Consideration and Approval of Draft Statewide Waste Prevention Plan

BACKGROUND:

Public Resources Code 40507(f) requires the California Integrated Waste Management Board (CIWMB) to report to the legislature, on or before March 31, 1993, a review of actions which have been taken, or will be taken, to promote waste prevention (source reduction). The CIWMB is also required to make recommendations for legislation to promote waste prevention, actions to improve packaging and product design, the development and implementation of product durability standards, and reducing toxicity of packaging and products.

To address the legislative mandate, staff developed a Statewide Waste Prevention Plan. Staff presented the plan to the Local Assistance and Planning Committee on April 7, 1993. Committee members recommended the following:

- a) Change the focus from "products" to "actions," particularly the need to eliminate "items,"
- b) Rewrite the introduction and focus more on individual actions,
- c) Reword Goal 4 regarding banning grass clippings and yard trimmings from being disposed of in landfills. The CIWMB should focus on providing technical assistance and incentives. A ban should be implemented only as a last resort and provide greater flexibility,
- d) Include overall ranking of priorities exclusive of goals in an Appendix,
- e) Include explanation on use of Federal, instead of California data. Include California data on inerts and indicate Federal statistics are not available,
- f) Delete the phrase "throughout the life of a product" from the definition presented by staff, and

Local Assistance and Planning Committee
May 4, 1993
Page Two

- g) Staff should clarify with interested Committee members how activities 4(e) and (f), and 6(e), (f), and (m) were scored. (These activities are respectively: model ordinance for unit pricing, model zoning ordinance, mandate waste prevention for certain types of packaging, manufacturer responsibility legislation, and tax credits.)

ANALYSIS:

The Statewide Waste Prevention Plan offers a comprehensive approach to waste prevention, as all the different players ranging from residents to manufacturers have been included. If fully implemented, these activities will advance waste prevention throughout California and acknowledge its placement at the top of the waste management hierarchy.

STAFF COMMENTS:

Staff have revised the plan to incorporate the concerns of the Committee members. Staff recommends the Statewide Waste Prevention Plan be approved by the Committee and forwarded to the Board for consideration.

Attachment will be delivered to Committee members prior to the meeting.

ATTACHMENT:

1. Draft Statewide Waste Prevention Plan

Prepared by:	<u>Lynne Cody</u> <i>LC</i>	Phone: 255-2361
Reviewed by:	<u>Pat Schiavo</u> <i>LC/PS</i>	Phone: 255-2379
	<u>Mitch Delmage</u> <i>MD</i>	Phone: 255-2383

California Integrated Waste Management Board

**Integrated Waste Management
Planning and Local Assistance Committee**

May 4, 1993

Agenda Item # 2

Item: Consideration of Petition for Reductions in the Source Reduction and Recycling Element Diversion and Planning Requirements for the Unincorporated Area of Lassen County.

Background:

Public Resources Code (PRC) Section 41780 requires that each City and County divert 25 percent of its waste from landfills by 1995 and 50 percent by 2000. PRC Section 41782 allows the California Integrated Waste Management Board (Board) to grant a reduction in the planning requirements and diversion goals. Title 14, Section 18775, of the California Code of Regulations (CCR) lists the qualifications that each jurisdiction must meet to petition the Board for reductions in these requirements or goals.

Specifically, cities and counties must comply with certain criteria in order to qualify to petition the Board for reductions in planning and diversion requirements. Counties must meet the following criteria to petition the Board for a reduction:

1. A geographic area of less than 1500 square miles;
or
A population density of less than 10 people per square mile; and
2. A waste generation rate of less than 100 cubic yards per day or 60 tons per day.

Lassen County's petition for reduction in planning and diversion requirements was received on January 28, 1993. The County is requesting the following reductions:

- o A reduction in the 25 percent and 50 percent diversion goals required by PRC 41780 to 12 percent and 35 percent.
- o Reductions in the planning requirements to allow the County to prepare a streamlined SRRE which has a single existing conditions section and a single monitoring and evaluation section for the entire document.

Analysis:

County Characteristics:

Lassen County is a large rural county in Northern California with

a total population of 27,598 and a population density of 3.4 people per square mile. Bounded on the north by Modoc County and Plumas County to the south, Shasta County to the west and the State of Nevada to the east. Over sixty percent of the 4,685 square miles of land in Lassen County are government owned. Agriculture and government are the principal employers in the County.

Susanville, the only incorporated city in Lassen County, annexed the area including the California Correctional Facility at Susanville in April 1990, effectively removing 4,500 people from the unincorporated county population.

The County has a wood burning power plant, Operational Energy Corporation (formerly Honeylake Power Plant), which produces the largest portion of the County's waste. The ash from the power plant which composes about 58 percent of the County's waste stream poses a difficult challenge for the County's diversion programs since there are very few diversion options for this waste type. Currently, only 5 percent of the 7,300 tons of ash generated are diverted through use as a soil amendment. The remaining ash is disposed at the landfill.

The County currently generates 11,947 tons of solid waste per year, or approximately 32.7 tons per day.

Solid Waste Collection and Disposal:

Lassen County has six landfills and four transfer stations. There are no franchised haulers in the County. The Lassen County Public Works Department estimates that 30 to 40 percent of the County's waste is self-hauled. The solid waste programs are entirely supported by gate fees which are fed into an enterprise fund. Although gate fees are relatively low, resistance to increasing gate fees is strong due to fears of increased illegal burning and dumping.

Current and Proposed Diversion Programs:

Currently, about 1,034 tons per year, or 8.2 percent are diverted by Lassen County. Of the waste generated, approximately 58 percent (about 7,300 tons per year) is wood ash from the Honey Lake Power Company. If the County is able to divert the ash, they will be far along the path toward achievement of the 25 and 50 percent diversion goals.

In 1989, the County contracted with the power company to accept 10,000 yards³ per year at no cost. During the 1992 calendar year, the power company exceeded this limit by approximately 8,000 yards³ (3,400 tons). Due to the expense of disposal of this excess quantity, the power company is actively pursuing

additional contracts for the use of its ash as a soil amendment.

The largest recycling operation in the County is Susanville Recycling, which is located in the City of Susanville. There are drop-off containers at the three major landfills, as well as scrap metal scavenging programs.

Existing Diversion Programs In Lassen County (Excluding Ash):

CURRENT DIVERSION IN TONS PER YEAR ¹							
LOCATION	ALUM	CRV GLASS	PLASTIC	SCRAP METAL	USED OIL/BAT	TOTAL TONS	% OF WASTE GEN
SUSANVILLE RECYCLING	170	185	2			357	3.0%
BASS HILL LF		2 ²		127	2	131	1.1%
WESTWOOD LF		1 ²		49	3	53	0.4%
BIEBER LF				34	1	35	0.3%
HERLONG LF				29		29	0.2%
TONS DIVERTED	170	188	2	239	6	605	5.1%

¹ Quantities represent 60 percent of the total collected by Susanville Recycling which was allocated to the unincorporated area of Lassen County.

² Total of all CRV containers

Proposed Diversion Programs are as follows:

Because of the isolation and sparse population, illegal dumping and backyard burning are significant problems in Lassen County. County staff feel that the first priority of their Public Information program will be to provide basic waste reduction and environmental education in order to reduce the environmental damage associated with these practices.

If they are to be successful, the County anticipates that an aggressive Public Education program will be the cornerstone of their waste diversion program. The County intends to encourage the use of backyard composting as an alternative to backyard burning of yard and woodwaste, and to encourage the source separation of recyclable materials.

The County is investigating the possibility of chipping woodwaste for use as hog fuel by Operational Energy Corporation and the

formation of franchise areas in order to attract private sector contractors for waste diversion programs.

Operational Energy Corporation is actively seeking additional farmers who would be willing to accept ash for use as a soil amendment.

The County is also considering the establishment of a materials recovery facility for the medium-term planning period.

Proposed Planning and Diversion Reductions:

Reductions in the diversion requirements:

Lassen County requests that the diversion level required for the short-term planning period (1991-1995) be reduced from 25 percent to 12 percent and that the diversion level for the medium-term planning period (1995-2000) be reduced from 50 percent to 35 percent.

Reductions in the planning requirements:

Lassen County requests that they be allowed to prepare a single Existing Conditions section and a single Monitoring and Evaluation section for the SRRE instead of one for each component.

Staff Analysis

Lassen County qualifies to petition the Board for reductions in the planning requirements and diversion goals under 14 CCR Section 18775. The regulations include procedures for staff to use in presenting petitions for reductions for Committee analysis. The following information should be included in all petitions:

1. A description of the existing disposal and diversion systems, including identification of the types and quantities of waste disposed and diverted;
2. Identification of specific reductions being pursued (i.e., planning or diversion requirements or both);
3. Documentation of why specific components of programs are not feasible;
4. The planning or diversion requirements that are achievable; and

5. A verification that the jurisdiction meets the low population density or small geographic size and small quantity of solid waste generated required by statute.

Board staff have reviewed the petition for reductions in the planning and diversion requirements based on the information provided in Lassen County's petition, discussions with County staff, Operational Energy Corporation personnel, the County's consultant, and previous Board actions. The petition has been reviewed and found to comply with PRC Section 41782 and 14 CCR Section 18775.

As described in the petition, the population of the unincorporated region of the County is only 17,000. The entire County, including the City of Susanville, is only 28,700. This very low population makes it difficult for the County to raise sufficient funds to implement more comprehensive diversion programs.

It has been difficult for Lassen County to identify markets that are close enough to be economically viable. The minimum distance to a strictly intermediate market (Redding) is 110 miles, one way. Larger communities are often able to bring in commercial contractors to develop diversion facilities and programs without significant capital outlays by the community. The small size of the County's waste stream (less than 14 tons per day of MSW) makes it difficult to attract this type of commercial operation to the County.

The County is under severe budget constraints. If the County were to implement all of the state mandated programs for monitoring, financial assurance, and diversion it would increase the solid waste budget from \$434,000 last fiscal year to \$1.1 million. The current solid waste revenues are between \$500,000 and \$600,000, giving a budgetary shortfall of \$500,000 to \$600,000.

Board staff have worked closely with the County's consultant in the preparation of this petition. County staff have been very cooperative during this process. The County has asked for the reductions based on limited staffing and a lack of funds for implementing diversion programs. They have sufficiently demonstrated both these conditions.

Staff Comments:

Due to severe financial pressures, Lassen County has not yet developed their SRRE. Board staff are pleased with this effort by Lassen County to begin the planning process. Board staff recommend that the Committee recommend the Board adopt the attached resolution which approves Lassen County's reductions in

the 25 percent diversion requirement to 12 percent and approves the reduced planning requirements. Based on previous Board and Committee actions, staff are not recommending approval of the reduction in the 50 percent diversion goals at this time.

Currently, 58 percent of the waste generated within the County is wood ash from the power plant. If the County is unable to divert ash from disposal, in order to achieve the 25 percent diversion goals the County will be required to divert 59 percent of its municipal solid waste. In the same fashion, a 12 percent diversion level, in the absence of ash diversion, would correspond to about 30 percent diversion of the County's municipal solid waste. Unless the County or the Power Company is able to find diversion alternatives for the wood ash generated, the County will not be able to achieve the 50 percent diversion goals.

If, on the other hand, the County or the Power Company is able to find a way to divert some or all of the ash, the County will be able to divert a significant portion of its waste, maybe in excess of 50 percent without implementing any other programs. The current disposal contract between the power company and the County will be in effect until 2000. The County is unlikely to renew such a contract and will encourage the power plant to find alternatives to disposal.

If the Board approves the County's petition, this will not deter the power company from seeking alternatives to disposal of its ash due to the costs of disposal.

By allowing the County to prepare a single existing conditions description and a single monitoring and evaluation section for their SRRE, the County will be able to reduce their costs associated with its completion. This planning reduction was granted by the Board to the City of Isleton in March 1992. The County feels that this planning reduction is justified due to the small size and simplicity of its waste management system. With the passage of AB 2494 the County is only responsible for the tracking of diversion programs they fund or operate. For this reason the County feels there is no need for a separate monitoring and evaluation section for each component in the SRRE.

ATTACHMENTS:

1. Copy of CCR Section 18775
2. Petition from Lassen County
3. Addendum to Petition
4. Resolution # 93-61

Prepared by: John R. Blue *J.R. Blue* Phone: (916) 255-2306

Reviewed by: Dianne Range *DR* Phone: (916) 255-2304

Reviewed by: Judith J. Friedman *JJ Fried* Phone: (916) 255-2555

Section 18775. Reduction in Diversion and Planning Requirements.

(a) A jurisdiction may petition the Board, at a public hearing, to reduce the diversion requirements specified in Public Resources Code section 41780, and the planning requirements. To petition for a reduction, the jurisdiction shall present verification to the Board which indicates that achievement of the requirements is not feasible due to small geographic size or low population density of the jurisdiction and the small quantity of waste it generates. To qualify to petition for a reduction in the diversion and planning requirements, a city or county must meet the following:

(1) For an incorporated city, a geographic area of less than 3 square miles or a population density of less than 1500 people per square mile and a waste generation rate of less than 100 cubic yards per day or 60 tons per day of waste.

(2) For the unincorporated area of a county, a geographic area of less than 1500 square miles or a population density of less than 10 people per square mile and a waste generation rate of less than 100 cubic yards per day or 60 tons per day.

(b) Based on information presented at the hearing, the Board may establish reduced diversion requirements, and alternative, but less comprehensive, planning requirements. A petitioner may identify those specific planning requirements from which it wants to be relieved and provide justification for the reduction. Examples of reduced planning requirements could include, but would not be limited to, reduced requirements for solid waste generation studies, and reduced requirements and consolidation of specific component requirements. These reduced diversion and planning requirements, if granted, must ensure compliance with Public Resources Code section 41782.

(c) Cities and counties requesting a reduction in the diversion and planning requirements must include the following information in the reduction petition:

(1) A general description of the existing disposal and diversion systems, including documentation of the types and quantities of waste disposed and diverted. Documentation sources may include, but are not limited to, the following:

- (a) Solid Waste Generation or Characterization Studies
- (b) Diversion data from public and private recycling operations
- (c) Current year waste loading information from permitted solid waste facilities used by the jurisdiction

(2) Identification of the specific reductions being

requested (i.e. diversion or planning requirements or both).

(3) Documentation of why attainment of mandated diversion and planning requirements is not feasible. Examples of documentation could include, but would not be limited to:

(a) Evidence from the documentation sources specified in paragraph (c) (1) of this section;

(b) Verification of existing solid waste budget revenues and expenses from the duly authorized designated representative of the jurisdiction;

(4) The planning or diversion requirements that the jurisdiction feels are achievable, and why.

(d) Cities and counties which petition the Board and receive a reduction in the diversion and planning requirements pursuant to this section, shall fully address the following issues in an annual report submitted to the Board within 90 days of the anniversary date the reduction was originally granted, and each year thereafter until the Board-mandated diversion levels are met:

(1) the jurisdiction's current activities to establish and maintain source reduction and recycling programs;

(2) changes in demographics in the jurisdiction;

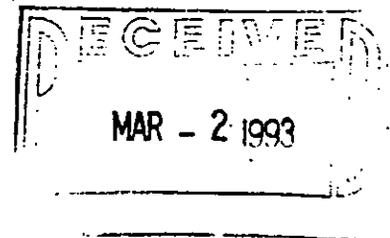
(3) changes in types and amounts of waste generated in the jurisdiction;

(4) changes in funding sources for implementing the Source Reduction and Recycling Element;

(5) changes in markets for the jurisdiction's recyclables;

(e) The Board may, upon review of the annual report, find that a revision or revocation of the reduction is necessary. The Board shall present any such findings at a public hearing.

NOTE: Authority cited: Section 40502, Public Resources Code.
Reference: Section 41782 and 41802, Public Resources Code.



February 26, 1993

Mr. John Blue, Waste Management Specialist
Planning & Assistance Division - Northern Section
California Integrated Waste Management Board
8800 Cal Center Drive
Sacramento, CA 95826-3268

Re: Lassen County Petition for Reduced Planning and Diversion Requirements

Dear John:

On behalf of the County of Lassen, this petition for a reduction in the short-term and medium-term waste diversion levels required to be achieved by the County is submitted to the California Integrated Waste Management Board. In addition, The County also petitions for a reduction in the planning requirements relative to a streamlined Source Reduction and Recycling Element. The petition document has been drafted in close cooperation with County staff, and subsequent revisions reviewed and approved.

We understand that a hearing before the Board will be held on April 6, 1993 at 1:30 p.m. We are prepared to represent the County and answer any questions regarding the reasons for the petition at that time.

Thank you for your assistance, and please let us know if there is other information you need prior to the hearing.

Sincerely,

Thomas B. Schenck
President

Enclosures

cc: John Mitchell, Director
Lassen County Public Works

Martin R. Diehl, Associate Engineer
Lassen County Public Works

Petition for Reduced Diversion & Planning Requirements

Prepared For The

COUNTY OF LASSEN

California

Submitted February, 1993

by

SOLUTION
RESOURCES
INCORPORATED

205 West Main Street, Suite D Grass Valley, CA 95945
(916) 477-6677 FAX 477-6680

**Petition for Reduced Diversion & Planning Requirements
for the
County of Lassen, California**

February, 1993

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I. INTRODUCTION

Lassen County understands and supports the goals of AB 939 for waste reduction; however, the fiscal, demographic and solid waste realities of the County combine to constrain Lassen County from achieving a 25% reduction in waste disposed by 1995.

The County of Lassen hereby petitions the California Integrated Waste Management Board, requesting that the Board consider the conditions facing the County and approve its petition for reduced diversion and planning requirements.

II. ELIGIBILITY TO PETITION

Section 18775 of CCR Title 14 states that to qualify to petition for a reduction in diversion and planning requirements, a county must meet the following requirements:

"For the unincorporated area of a county, a geographic area of less than 1500 square miles or a population density of less than 10 people per square mile and a waste generation rate of less than 100 cubic yards per day (or 60 tons per day).

Unincorporated Lassen County meets the criteria established by the CIWMB regulations for filing this petition. With a geographic area of 4,685 square miles and a population of 16,319*, the population density of the unincorporated County is 3.4 people per square mile, well under the 10 people per square mile stated in the regulations. Waste generation in the unincorporated area is 13.8 tons per day without counting the ash from Honey Lake Power Company; 32.7 tons per day if the ash is counted - still well under the 60 tons per day in the regulations. It is significant to note that the ash from this facility, currently landfilled at Bass Hill, is 57.8% of the unincorporated County's solid waste stream.

Geographic Area	4,685 square miles
Population	16,319
Population Density	3.4 people/square mile
Waste Generation Rate	13.8 TPD without ash 32.7 TPD with ash

*1990 Census Figures from Lassen Planning Department

III. PETITION REQUEST SUMMARY

Operation of Lassen County's six landfills and four transfer stations represents a major impact on the County's solid waste budget, particularly in view of closure/post-closure requirements and conversion to transfer stations of several facilities. The impact is felt both at the staff level and in the capital equipment/facilities expenditures. Fiscal constraints of the solid waste system in conjunction with low generation rates, rural location and geography, qualify Lassen County to request a reduction in both diversion and planning requirements under Public Resources Code Section 41782.

The petition describes the conditions in the County and provides for CIWMB staff the following necessary information:

- Relevant geographic and physical characteristics
- Pertinent demographic information
- Verification that Lassen County meets petition criteria
- Description of the existing disposal and diversion systems, including volumes and funding resources
- Discussion of obstacles to meeting current mandates
- Discussion of achievable planning and diversion requirements and strategies to accomplish

Lassen County is requesting a reduced diversion rate of 12% for the year 1995 and 35% for the year 2000. The County requests permission from the CIWMB to provide more streamlined planning documents in place of the standard Source Reduction and Recycling Element and Household Hazardous Waste Element. Lassen County will use Plumas County's waste generation data in lieu of a separate initial waste characterization study (see Appendix B). The County presents its request for reduced planning and diversion requirements reductions in Section VI.

IV. EXISTING CONDITIONS

Geographic Setting and Physical Characteristics

Lassen County is a high plateau and mountain County bordering Nevada in the northern part of the State on U.S. Highway 395. Approximately 63% of the 2,910,080 acres of land in the County is government owned.

The Cascades in the western part of the County are characterized by numerous cinder cones and shield volcanoes. In the eastern part of the County is a volcanic upland created by lava flows called the Modoc Plateau. The Basin and Range areas in the southeast corner of the County are characterized

by faulting, erosion and deposition. The entire County has the potential for moderate seismic activity, and the western half of the County is extensively faulted.

Elevation in most of the County is about 4000 feet, within a range of 3,998 feet to 8,197 feet above sea level. The eastern part of the County is desert scrub woodland, with pine forests at the lower elevations and fir at the upper elevations. Soil conditions are mostly clay and sandy to clay loams. The climate is generally semi-arid, with warm, dry summers and often severe winters. Precipitation ranges from 5 to 10 inches near the Nevada state line to about 50 inches in the Western mountains, most of which is snow.

Population

Total County population by the 1990 census is 27,598 (approximately 16,319 in the unincorporated area)¹, with 2.70 people per household. Prior to 1990, the California Correctional Center at Susanville population was counted in the unincorporated county; however, since April of 1990, the Correctional Center was incorporated into the City of Susanville. According to *Flying the Colors California* by John Clements, average value of a home in Lassen County was \$50,300 in 1985. New housing starts in 1989 totaled 108, down from 136 in 1988. Median age is 29.

Economy

Government is the largest employer in the County, employing 46% of the work force in either federal, state, local government or educational jobs as of October, 1992. Tourism, logging, and sawmilling are the three next largest employers. Government owns 63% of the 2,910,080 acres of land in the County, mostly national forest and Bureau of Land Management land. Agriculture is the principal economic occupation of the County, with livestock, poultry and their products contributing 60%. Primary crops include hay, barley, corn, wheat, oats and rye. Primary livestock and livestock products include cattle, sheep, lambs, milk and wool. Median income in May, 1992 for a family of four was \$31,500. Unemployment was reported at 8.9% of the workforce in October, 1992.²

¹1990 Census Data from Lassen Planning Department

² Employment Development Department, County of Lassen: October, 1992 data.

V. SOLID WASTE GENERATION and MANAGEMENT

Waste Disposal Facilities

Total waste generation in Lassen County from October, 1991 through September, 1992 is estimated to be 22,430 tons, including 6,895 tons of ash from Honey Lake Power Company in Wendel.

Another unknown amount of ash is distributed by the power company to private ranchers in the northern part of the County for land application. Of the total County solid waste stream, approximately 10,483 tons is estimated to be generated by the City of Susanville (which includes the California Correctional Center). Subtracting the City of Susanville's waste and the ash from Honey Lake, the total municipal solid waste generated in the unincorporated county is 5,052 tons per year.

It is important to note the per person per day generation using the total unincorporated disposed number. Total tons generated in the unincorporated county per year, multiplied times 2000, divided by the population of the unincorporated county, and then by the number of days in the year gives the number of pounds per day per person.

Susanville	10,483 tons X 2000 / 11,279 / 365 days = <u>5.1 Lbs/Day</u>
Unincorp. Lassen	5,052 tons X 2000 / 16,319 / 365 days = <u>1.69 Lbs/Day (without ash)</u>
Unincorp. Lassen	11,947 tons X 2000 / 16,319 / 365 days = <u>4.0 Lbs/Day (including ash)</u>

Waste generation in the unincorporated areas calculated on a per person basis is uncharacteristically low for probably two reasons: 1) Most commercial waste generation comes from the City of Susanville; and 2) Department of Public Works estimates a large portion of the waste generated in the unincorporated county is burned in woodstoves, trash barrels, etc., and never finds its way to the landfill.

Lassen County is served by a total of six landfills receiving municipal solid waste from the incorporated and unincorporated areas of the County and four transfer stations. The County has 14 full and part-time employees operating the various facilities. Not all facilities are open or staffed every day of the week. (See map, Appendix A.) Until the early 1970's landfills were used as open burning dumps. Per state requirements, a solid waste management plan was developed during the mid-1970's and the six dumps were converted to sanitary landfills. Gate fees were imposed for the first time in 1986 and subsequently raised in 1988. Problems with illegal dumping have persisted. In 1989, the local paper publicized incidents of illegal dumping on Bureau of Land Management Land near Bass Hill Landfill, and a major clean-up campaign was begun.

Increasing regulation in the 80's has meant an increase in expenditures to monitor and establish the safe operation of these facilities including extensive groundwater monitoring, air monitoring for toxic

emanations and a household hazardous waste program to keep that material out of landfills in the future. A total of 14 monitoring wells and 3 suction lysimeters were installed at County landfills by 1988 (excepting Ravendale and Madeline). Closure and post closure funds were to be set up by November, 1989 for all six landfills; however, in January, 1991, it was suggested that present outlying landfills (at Bieber, Ravendale and Madeline) really should be closed down and converted to Transfer Station sites. The outlying landfill at Herlong, at the Sierra Army Depot, might also be evaluated for closure and/or conversion. The closure process at Bieber and Ravendale is now underway, and a closure/post closure fund has been incorporated into the County's budget.

Collection Services

There are no franchised waste haulers in Lassen County. The two major haulers, Lassen Waste Systems and Sierra Disposal, contract with individual households and businesses to pick up their waste. Lassen Waste Systems services the City of Susanville, Janesville, and Litchfield areas. Approximately two-thirds of Lassen Waste's customer base is in the City of Susanville; one third is in the unincorporated County. Similarly, one-third of its customer base is commercial and two-thirds is residential. Lassen Waste also has a contract to pick up the drop boxes from the County's transfer stations. Sierra Disposal covers the Herlong-Doyle area. Two smaller independents provide service in other areas of the County. A large portion of the County hauls their own waste to the various landfills and transfer stations. The Department of Public Works estimates that approximately 30%-40% of the disposed waste is self-hauled. Landfills and transfer stations are listed below along with annual tons disposed.

**Table 1.0
Lassen County Tons Disposed
9/91 - 9/92**

FACILITIES	ANNUAL TONS (APPROX)
Landfills	
Bass Hill	12,333
Westwood	1,389
Herlong	782
*Bieber	573
*Ravendale	75
**Madeline	45
Transfer Stations	
Spaulding	164
Stones	34
Little Valley	87
Wendel*	53
Total MSW (w/o Ash) Landfilled	15,535 TONS
Less Susanville MSW	10,483 TONS
Total Unincorporated MSW (w/o Ash)	5,052 TONS

*Pending conversion to transfer station

**Closure planned pending Ravendale transfer station

System Finance

Gate fees, the only source of revenue for the solid waste system, feed into an Enterprise Fund established in 1986. Although gate fees are a somewhat unpredictable revenue source, no General Fund revenues are channeled in to the Enterprise Fund. The schedule of fees for all County disposal sites is listed below.

**Table 2.0
1988 Schedule of Gate Fees**

<u>Vehicle/Container Size</u>	<u>Amount</u>
33 Gallon Can (2 trash bags not in can to a max of 6)	\$1.00 each
55 Gallon Drum or mattress	\$2.00 each
Flatbeds, trailers (\$3/yard) or washing machine	\$3.00 each
Small pickup bed (6 feet or less)	\$4.00 each
Medium pickup (7 feet or less); large pickup partial load or refrigerator	\$5.00 each
Small pickup 2-feet above bed	\$6.00 each
Medium pickup 2-feet above bed or large pickup	\$7.00 each
Small pickup cab level	\$8.00 each
Medium pickup cab level/large pickup 2 feet above bed	\$9.00 each
Plastic and wire (\$10.00 per yard)	\$10.00
Tires (\$6.00 per yard)	\$6.00
Large pickup cab level	\$12.00
Car Body	\$20.00
Compactor Trucks (\$9.00 per yard)	\$9.00
Roll-Off Boxes (\$3.00 per yard)	\$3.00
Demolition Debris (\$6.00 per yard)	\$6.00
Roll-Off Compactor Trucks (\$9.00 per yard)	\$9.00

**Table 3.0
Lassen County Solid Waste Budget Summary**

REVENUES & EXPENDITURES	ACTUAL 91-92	PROJECTED 92-93
Revenues		
Solid Waste Enterprise Fund	\$598,377	\$532,500
Subtotal Revenues	\$598,377	\$532,500
Expenditures		
Salaries & Benefits	\$280,620	\$295,361
Services & Supplies	\$140,623	\$254,400
Capital Outlay	\$12,767	\$173,000
Total Expenditures	\$434,010	\$722,761
Anticipated Budget Deficit		(\$190,261)

The adopted 92-93 budget contains \$73,000 for structures, improvements, and equipment, including \$20,000 for groundwater monitoring. The budget also establishes a \$100,000 fund for closure/post closure costs. Most of a budgetary carry-over of \$336,000 from the last two fiscal years will make up the shortfall in gate fees.

Department of Public Works' estimates of the fiscal impact of full compliance with state-mandated programs at all County transfer stations and landfills are cited in the table following:

**Table 4.0
Summary of Projected Costs for State Mandated Programs**

Type of Expenditure	Estimated Cost/Year
1. Financial Assurance Fund - Closure/Post Closure	(for next 20 yrs) \$502,900.00
2. Siting/Construction of a New Landfill	(for next 20 yrs) \$375,000.00
3. State Fees (yearly costs)	
a) Disposal Site Cleanup & Maintenance Fees	
b) Waste Management Fees	
c) Annual Waste Discharge Fees	
Subtotal State Fees (as of 1992)	\$42,500
4. AB 939 Planning & Implementation Costs	
a) SRRE/HHWE/Siting/IWM Plan Prep. (per yr - next 3 yrs)	\$40,000.00
b) IWMP Programs & Implementation (per yr - next 4 yrs)*	\$75,000.00
Subtotal AB 939 Costs	\$115,000.00
5. Groundwater Monitoring (yearly cost)	\$20,000.00
6. Air SWATS and Landfill Gas Monitoring	(for next 5 yrs) \$40,000.00
7. Household Hazardous Waste Collection (yearly)	\$60,000.00
8. Hazardous Waste Management Plan	
a) Plan Preparation (one-time cost)	\$10,000.00
b) Implementation	(unknown)
Subtotal Hazardous Waste Mngmnt	\$10,000.00
Total Estimated Solid Waste Program Costs	\$1,165,400.00

*May be less if privately operated.

With annual revenues projected at \$532,500, it is apparent that current revenues are adequate to cover only the operating budget. The County had considered an increase in gate fees and levying a parcel tax or a combination of the two to help fund the needed programs and expenditures. A parcel fee proposal was brought to the Board of Supervisors; however, it was not supported by the Board. According to the department's figures, gate fees, the only funding source at this time, would need to be set at approximately \$120/ton to meet the estimated program costs. How increasing State-mandated program costs will be covered in future years is a matter of some concern to the department.

Diversion Programs/Facilities

Private Diversion Activities

Susanville Recycling, a private recycler located in the city of Susanville, is the primary recycling operation in the County. They collect and process California redemption containers, newspaper and corrugated cardboard, scrap alum, iron and other metals. The corrugated collection has only been going on for six months, and prior to the heavy snows of winter the program seemed to be gathering momentum. Newspaper has only been collected for two months, so no estimates can be made as to amounts collected on a yearly basis. Estimates are that 60% of the CRV materials is collected from the unincorporated County and 40% from the City of Susanville, but no definitive records are kept. CRV numbers reported by material by the Department of Conservation below include all CRV beverage containers recycled through Susanville Recycling and do not differentiate between incorporated and unincorporated areas of the County.

County Diversion Programs

CRV collection containers have been placed for self-hauler drop-off at Bass Hill Landfill, Westwood and Bieber. These are collected by Lassen Waste when the containers are full. The County pays transportation costs if the redemption value of materials does not cover. Scrap metal salvaging began at some Lassen County facilities in August of 1973. Prior to that time it was the practice to landfill those materials. Currently, scrap metal is collected and baled from Bass Hill, Westwood, Bieber and Herlong by Short's Scrap Metal, and trucked to their Redding facility. The baler in use belongs to Short's. In addition, the County has established lead acid battery collection and waste oil collection at Bass Hill, Westwood and Bieber.

**Table 5.0
Solid Waste Diversion Activities & Estimated Amounts
UNINCORPORATED LASSEN COUNTY**

LOCATION	ALUM.	CRV GLASS	PLASTIC	SCRAP METAL	USED OIL/BAT	TOTAL TONS
Susanville Recycling	282.77	308.95	3.78			¹ 357.3 TPY
Bass Hill	—	1.5 TPY	all CRV —	126.9	2.0	130.4 TPY
Westwood		1.0 TPY	all CRV	48.9	3.0	52.9 TPY
Bieber		0.00 TPY		34.4	1.0	35.4 TPY
Herlong				28.6		28.6 TPY
Tons Diverted	282.77	308.95	3.78	238.8	6.0	604.6 TPY

¹Figure represents CRV collected from unincorporated Lassen County, 60% of total CRV, as estimated by Susanville Recycling.

**Table 6.0
Total Estimated Diversion
UNINCORPORATED LASSEN COUNTY**

MSW Disposed	Waste Diverted	Total Generation	% Diversion
11,947 TPY (w/ash)	604.6 TPY Est.	12,551.6 TPY	4.8%
5,052 TPY (w/o ash)	604.6 TPY Est.	5,656.6 TPY	10.6%

Transportation and Markets

Availability of markets is a major concern for Lassen County with its extremely rural location. Collected materials are shipped by private truckers/recyclers primarily to the Redding area in Shasta County. Some materials are transported to Reno, or via Reno to Salt Lake City, after baling at Bass Hill. Minimum distance from Lassen County to intermediate markets is in Redding, 110 miles away. Costs of travel to distant markets and the relatively small volumes represented at this time make this an unprofitable venture to both the collector of materials and the hauler. Some of the supermarkets backhaul cardboard to division facilities in the Bay Area or other central Northern California locations. There are no strictly local markets for materials.

VI. ACHIEVABLE PLANNING AND DIVERSION REQUIREMENTS

This section will summarize the obstacles to achieving the AB 939 diversion requirements and propose alternative diversion and planning requirements as well as potential programs to achieve them.

Obstacles

Lassen County's six landfills, because of extensive testing, monitoring and closure procedures they require, are a major fiscal impact on Lassen County. As has been noted, costs to meet State-mandated programs or requirements could total \$1.165 million and cost to each citizen could reach \$120/ton in gate fees. The unincorporated area's low population density and rural characteristics create additional challenges for the implementation of waste diversion programs. This is particularly highlighted by the fact that most of the existing commercial waste diversion in the countywide area, such as corrugated cardboard (OCC), is primarily credited to the City of Susanville incorporated area.

<u>92/93 Expenses</u>	<u>Est. Yearly State Mandated Costs</u>	<u>Total All Costs</u>	<u>Tons/Year</u>	<u>Cost/Ton</u>
\$702,461 (less \$20,000)*	\$1,165,400	\$1,867,861	/ 15,535 tons	\$120/ton

*92-93 Groundwater Monitoring Costs

The requirements of AB 939 to reduce the quantity of garbage 25% by 1995 and 50% by the year 2000 pose a formidable challenge to Lassen County. Lassen County wishes to make forthright attempts to meet those mandates; not, however, at the expense of its fiscal viability.

Reduced Diversion Requirements Requested

Lassen County proposes a reduction in the short-term planning period diversion requirement to 12% by the year 1995. Current diversion is approximately 4.8% with a low per capita generation rate and an already impacted solid waste budget. Additional funds are limited for programs and activities that will achieve a higher diversion level. Such funding will most likely come from increases in tipping and/or other user fees to the residential and commercial sector.

This petition also requests a medium-term planning period diversion of 35% by the year 2000. Achieving this diversion level will require significant modifications and enhancements to the County's solid waste infrastructure and management system, including waste recovery, recycling and other diversion facilities. It is unclear at this time whether such facilities will be developed on a local or regional basis. In addition, further evaluation of the potential role of the private waste management

sector must be considered relative to efficient management of the waste stream and facilities development.

The County intends to fully utilize the maximum 10% transformation (incineration) diversion credit available in the medium-term planning period. This will require that the balance 25% diversion be achieved through source reduction, recycling and composting programs.

Reduced Planning Requirements Requested

To date, Lassen County has not prepared the initial AB 939 planning elements (SRRE, HHWE). The preparation of these elements are to be completed based upon results of this petition. According to Article 6.1, Section 18722 of the planning regulations, a jurisdiction can use comparable data from another jurisdictions if the jurisdiction's population, residential tonnage or number of dwelling units, and commercial tonnage or number of commercial units is within 10% of the jurisdiction doing the study. CIWMB staff has previously approved the use of Plumas County waste characterization and generation study data for Lassen County's initial study for the SRRE. (See Appendix B)

As discussed above, Lassen County's major obstacles to program implementation are fiscal, demographic and geographic. The County intends to prepare a streamlined Source Reduction and Recycling Element that eliminates some of the redundancies within element components. The County recognizes the need to coordinate and work with the staff of the California Integrated Waste Management Board in preparing the SRRE and HHWE documents and developing viable programs for implementation. Specific reductions requested are:

- 1) **Use of one Existing Conditions section for the entire SRR Element, rather than for each component.** The limited waste reduction activity currently taking place in Lassen can be easily and comprehensively reported in one chapter with subsections for each component's description.
- 2) **Use of one Monitoring and Evaluation section for the entire SRR Element, instead of one in each component.** The solid waste stream and system in Lassen County will accommodate a simpler, more focused approach than in more populous areas with more complex waste streams and management systems. In addition, the changes in tracking wastes diverted and disposed brought about by AB 2494 also simplify monitoring and evaluation procedures. For these reasons, Lassen County feels this requirement can be met by consolidating the monitoring and evaluation functions into one section in its SRRE.

The County understands that heavy emphasis will have to be placed on the development and implementation of a public information and education program properly tailored to reach waste generators within the unincorporated area. The success of, and participation in, any expanded or new

diversion programs will be contingent upon the public's understanding and perceived need for such programs. The impacts of illegal dumping and backyard burning could be mitigated by an education program. The education program will also need to effectively address the self-haul and collection service sectors. In addition, procurement guidelines for recycled or recycled content products and bulk purchasing agreements could be put in place throughout the various County, City and State governmental facilities to achieve additional diversion.

Land application of ash from the co-generation plant might be increased, depending on regulations. Ash might also be tested as a sandtruck additive for icy and snow-packed roads.

Potential Regional Alternatives

The counties of Lassen, Modoc, Plumas and Sierra have recently established a Joint Powers Agreement (JPA) to designate and contract for a common Local Enforcement Agent (LEA) throughout the four county area. While the benefits of regional cooperation could be significant, developing a functioning regional entity for joint planning, administrative and/or facilities development will likely be a lengthy process. It is not known at this time whether these counties can be brought together to pursue the benefits of regionalization.

The preparation of a Regional Siting Element under this JPA could offer significant cost savings as well as provide a more comprehensive and useful planning document. In line with the provisions of AB 2494, an agency established through the JPA could be assigned the responsibility for meeting the planning, reporting and waste diversion requirements of AB 939 on a regional basis.

Such an agreement forming the regional agency must be submitted to the CIWMB for approval and would include the following:

1. Names of member jurisdictions.
2. Name, description and address of the regional agency.
3. A description of how any civil penalties would be apportioned.
4. A contingency plan showing how each member jurisdiction will comply with AB 939 if the regional agency is dissolved.
5. A description of the responsibility of each member jurisdiction.
6. A description of the scope and responsibilities of the regional agency.
7. A description of the programs to be implemented.

While such an agreement would seem to be very desirable, the County's reliance on the potential benefits of a regional approach would be premature at this time.

VII. SUMMARY

The unincorporated area of Lassen County clearly meets the criteria established for Reduced Diversion and Planning Requirements:

- Population Density: 3.4 people/square mile
- Waste Generation Rate: 13.8 TPD without ash
32.7 TPD with ash

The County of Lassen petitions the CIWMB to grant the following:

- Reduced diversion goal of 12% for 1995
- Reduced diversion goal of 35% for the year 2000.
- Reduced planning requirements and approval of a streamlined SRRE

The County of Lassen believes that a full-blown effort to reach the diversion goals and provide the standard procedural documents are beyond its fiscal means to meet due to the number of landfills it must manage and staff appropriately. Current staff and funding appear to be adequate to accomplish the more manageable diversion goal of 12% by 1995, 35% by the year 2000. A streamlined SRRE using Plumas County data for the baseline waste generation study, one Existing Conditions section for all components, and one Monitoring & Evaluation section for the entire SRR Element might be managed in-house or contracted out for a cost significantly lower than the full document normally requires.

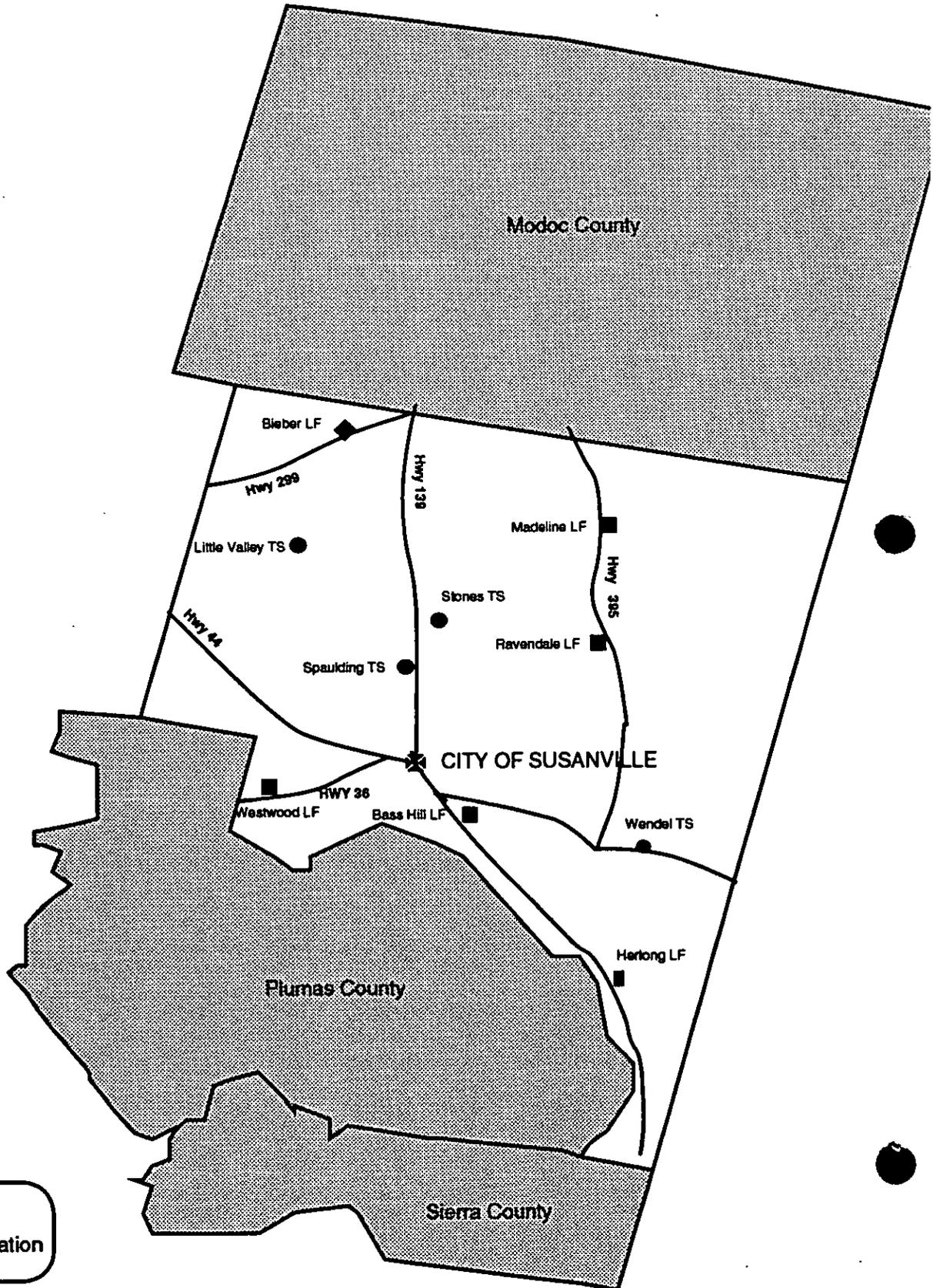
The County requests the California Integrated Waste Management Board's thoughtful consideration of this petition. Based on the results of this petition, Lassen County is ready to move forward in preparing an SRRE appropriate to its fiscal and geographic constraints.

APPENDIX A

**MAP OF LASSEN COUNTY
SOLID WASTE FACILITIES**

LASSEN COUNTY

SOLID WASTE FACILITIES MAP



APPENDIX B

**LASSEN/PLUMAS COUNTY
COMPARATIVE DATA**

C-23

STATE OF CALIFORNIA

Pete Wilson, Governor

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

1020 Ninth Street, Suite 300
Sacramento, California 95814



RECEIVED
JAN 28 1991
DEPT. OF PUBLIC WORKS
COUNTY OF LASSEN

January 23, 1991

Mr. Martin R. Diehl
Associate Engineer
County of Lassen
Dept. of Public Works
707 Nevada Street
Susanville, CA 96130

Subject: Use of Waste Composition Data from Comparable Jurisdiction

Dear Mr. Diehl:

Board staff have reviewed the documents you submitted describing the socioeconomic, demographic, and other characteristics of Lassen and Plumas Counties. Although it was not stated as such, it was assumed that the 3 pages of summarized data attached to the cover letter was your argument that the two counties are similar. Based on your data and a recent research study, staff have concluded that Lassen County is comparable to Plumas County. In particular, the information on personal income, size of households, occupation percentages, and climate, is comparable. Therefore, your use of the Plumas County Solid Waste Generation Study's (SWGS) composition data as a basis for Lassen County's initial SWGS (composition data) is appropriate.

Thank you for submitting the comparative statistical information on these counties. You seem to have a good understanding of what is required in section 18724 (c) of the draft final regulations concerning comparable data. If you have any further questions concerning the SWGS, please call Catherine Cardozo at (916) 327-0446. For the Source Reduction and Recycling Element (SRRE), or Household Hazardous Waste (HHW) Element, call John Waithman at (916) 327-0986.

Sincerely,

Judith J. Friedman (for)

John D. Smith, Chief
Local Planning Division
California Integrated Waste Management Board

cc: Catherine L. Cardozo
John Waithman



COUNTY OF LASSEN

JOHN D. MITCHELL
Director/Road Commissioner/
County Engineer Surveyor

DEPARTMENT OF PUBLIC WORKS

County Administration Building
707 Nevada Street
Susanville, California 96130
(916) 257-8311, Ext. 288

BG-E-23 #33
90-1204

December 19, 1990

Catherine Cardozo
Associate Waste Management Specialist
Planning Division
California Integrated Waste Management Board
1020 9th Street
Sacramento, CA 95814

RE: *Use of pre-existing solid waste generation studies*

Dear Catherine,

Enclosed is the preliminary solid waste generation study; summer season from Plumas County and a documented list of comparative data between Lassen and Plumas Counties.

Please review these documents to ascertain if Lassen County may use Plumas County's Waste Generation Study for our Initial Solid Waste study, as prescribed in Section 18724(c) of Article 6.1.

Please contact me if you have any questions.

Sincerely,

Martin R. Diehl
Associate Engineer

enclosures
MRD/sm
c

Lassen/Plumas County Comparative Data

DATA

SOURCE

Total Area:

<i>Lassen</i>	<i>4,690 Sq. Miles</i>
<i>Plumas</i>	<i>2,570 Sq. Miles</i>

Incorporated Cities:

<i>Lassen</i>	<i>1</i>	<i>Susanville</i>
<i>Plumas</i>	<i>1</i>	<i>Portola</i>

Population (1989 est):

<i>Lassen (total)</i>	<i>28,800</i>	<i>California - Cities Towns & Counties Exhibit A</i>
<i>Unincorporated</i>	<i>21,750</i>	
<i>Incorporated</i>	<i>7,050</i>	

<i>Plumas (total)</i>	<i>20,050</i>	<i>California - Cities Towns & Counties Exhibit A</i>
<i>Unincorporated</i>	<i>17,900</i>	
<i>Incorporated</i>	<i>2,150</i>	

Households:

<i>Lassen (total)</i>	<i>7,400</i>	<i>California - Cities Towns & Counties Exhibit A</i>
<i>Family Households</i>	<i>5,558</i>	
<i>Avg. Person/Household</i>	<i>2.70</i>	

<i>Plumas (total)</i>	<i>6,637</i>	<i>California - Cities Towns & Counties Exhibit A</i>
<i>Family Households</i>	<i>4,987</i>	
<i>Avg. Person/Household</i>	<i>2.59</i>	

Housing and Construction (1980):

Lassen Total 8,899
Year Round Housing Units 8,241
Owner Occupied Units 5,157
Single Family Units 5,135

*California - Cities
Towns & Counties
Exhibit A*

Plumas Total 9,451
Year Round Housing Units 8,237
Owner Occupied Units 5,974
Single Family Units 4,446

*California - Cities
Towns & Counties
Exhibit A*

Income:

*Lassen Per Capita
Personal Income*

	<u>1983</u>	<u>1984</u>
	\$8,949	\$ 9,757

*California County -
Fact Book '88 - '89
Exhibit B*

*Plumas Per Capita
Personal Income*

	\$9,617	\$10,475
--	---------	----------

*California County
Fact Book '88 - '89
Exhibit B*

Annual Wages, All Industries (1986):

Lassen \$132,819,732
Plumas \$ 98,445,655

*California County
Fact Book '88 - '89
Exhibit B*

Civilian Labor Force:

Lassen total 8,840
Plumas total 7,722

*California - Cities
Towns & Counties
Exhibit A*

By Occupation %
LASSEN COUNTY

<i>Professional</i>	19%
<i>Sales</i>	24%
<i>Service</i>	16%
<i>Forestry/Farming</i>	6%
<i>Precision Production</i>	10%
<i>Laborers</i>	12%
<i>Self Employed</i>	7%

*California - Cities
Towns & Counties
Exhibit A*

By Occupation %
PLUMAS COUNTY

<i>Professional</i>	18%
<i>Sales</i>	22%
<i>Service</i>	14%
<i>Forestry/Farming</i>	3%
<i>Precision Production</i>	11%
<i>Laborers</i>	14%
<i>Self Employed</i>	11%

*California - Cities
Towns & Counties
Exhibit A*

Business Establishments:

<i>Lassen total</i>	425
<i>Plumas total</i>	462

*Flying the Colors,
CA 1985
Exhibit C*

Solid Waste Generation:

<i>Lassen County (July, Aug, Sept. 1990)</i>	4,186 Tons
<i>Lassen County (1990 Projected)</i>	14,015 Tons

*Lassen County
Quarterly Item Count
Exhibit D*

<i>Plumas County (July, Aug, Sept. 1990)</i>	3,741 Tons
--	------------

*Preliminary Report
Solid Waste Generation
Study, Summer Season, Plumas
County
Exhibit E*

<i>Plumas County (1990 Projected)</i>	10,527 Tons
---------------------------------------	-------------

*Steven Devin, Plumas County
Public Works Department*

Lassen County

Demographics & Socio-economic Characteristics

(from 1990 US census except as noted)

POPULATION	
1970	14,980
1980	21,661
1980 unincorporated area	15,141
1989 (est.)	28,800
1989 unincorp. area (est.)	21,750
1990 (projection)	29,764
2000 (projection)	37,730

SEX	
Male	11,620
Female	10,041

RACE & SPANISH ORIGIN	
race:	
White	19,354
Black	757
American Indian	634
Asian/Pacific Islander	121
Other	795
spanish origin:	
Total	1,417
Mexican	970
Puerto Rican	32
Cuban	5
Other spanish	410

Under 5 years	1,902
6-17 years	4,102
18-64 years	13,725
65 & over	1,932
Median age	29.1

EDUCATIONAL ATTAINMENT	
0-8 years of school	3,382
High School graduates	7,703
College graduates & beyond	1,499

HOUSEHOLDS	
Total	7,400
With persons under 18	3,117
With persons over 64	1,442
Receiving public aid	612
Receiving social security	1,835
Average persons per household	2.70
Family households	5,558

INCOME & POVERTY	
Per capita income, 1980	6,408
Per capita income, 1985	8,770
Median household income	15,595
Median family income	17,563
Persons in poverty	2,045

CIVILIAN LABOR FORCE	
Total	8,840
by occupation:	
Managers & Professionals	1,674
Technicians, Sales & administrative support	2,132
Service occupations	1,434
Farming, fishing & forestry	500
Precision production, craft and repair	882
Operators, fabricators and laborers	1,014
Self employed persons	588

General Information

County seat:	Susanville
Address:	Courthouse South Lassen St., 96130
Telephone:	916-257-8311
Incorporated:	April 1, 1864
Form of government:	General law
Total area (sq. miles):	4,690.3
land (sq. mi.):	4,547.0
water (sq. mi.):	143.3

Voters & Government Officials

REGISTERED VOTERS	
Total, Sept., 1989	10,854
Democrats	5,489
Republicans	4,045

LEGISLATIVE DISTRICTS (see appendix A for names)	
U.S. Congressional:	14th
State Senatorial:	1st
State Assembly:	1st

COUNTY OFFICIALS	
Exec./Adminstr./Mgr.:	Jack Siemer (Interim)
Assessor:	Kenneth Bunch
County Clerk:	Theresa Nagel
District Atty.:	William O. Scott
Treas./Tax Coll.:	Beatrice Price
Pub. Works Dir.:	John Mitchell

BOARD OF SUPERVISORS	
District 1:	Hughes DeMartimprey
District 2:	James Chapman
District 3:	John Gaither
District 4:	Gary Lemke
District 5:	Helen Williams

Public Safety

Sheriff:	Ronald Jarrell
Sworn officers, 1988	18
Total crimes	
unincorporated areas, 1988	300
Total violent crimes	
unincorporated areas, 1988	79

Housing & Construction

HOUSING UNITS, 1980	
Total	8,899
unincorporated areas	6,054
Year round housing units	8,241
unincorporated areas	5,400
Owner occupied units	5,157
unincorporated areas	3,179
Single family units	5,135
unincorporated areas	3,553

NEW PRIVATELY OWNED HOUSING UNITS AUTHORIZED BY BUILDING PERMIT	
1986	97
1987	166
1988	120

County Finance

(fiscal year ending June 30, 1988)

FINANCING SOURCES	
Total	18,272,698
Taxes	3,330,573
Special benefits assessment	0
Licenses, permits & franchises	256,355
Fines, forfeitures & penalties	291,789
Revenue from use of money & property	293,921
Aid from other governmental agencies	12,584,679
Charges for current services	894,419
Miscellaneous revenue	618,476
Other financing sources	2,485

FINANCING USES	
Total	18,046,063
General	2,413,109
Public protection	3,775,176
Public ways & facilities	3,739,018
Health	630,458
Sanitation	0
Public assistance	6,989,545
Education	298,757
Recreation & cultural services	0
Debt service	0

Education

(school year 1988-89 except as noted)

County Superintendent of Schools:	
	William P. Gillespie
Address: 472-013 Johnstonville Rd., North Susanville, 96130	
Telephone:	916-257-2198
Number of school districts	12
Total enrollment	4,914
County average SAT scores	
1989, grade 12:	
verbal	427
math	465

County Library

Name:	Lassen County Free Library
Address: Crt. Hse. Annex, S. Roop St. Susanville, 96130	
Telephone:	916-257-8311
Director:	Rita Padden
Number volumes owned	85,232
Number branches	4

Demographics & Socio-economic Characteristics

(from 1980 US Census except as noted)

POPULATION	
1970	6,608
1980	6,520
1989 (estimate)	7,075
SEX	
Male	3,236
Female	3,284
RACE & SPANISH ORIGIN	
race:	
White	6,037
Black	61
American Indian	180
Asian/Pacific Islander	29
Other	213
spanish origin:	
Total	446
Mexican	267
Puerto Rican	7
Cuban	0
Other spanish	172
AGE	
Under 5 years	563
6-17 years	1,135
18-64 years	3,983
65 & over	839
Median age	30.8
EDUCATIONAL ATTAINMENT	
0-8 years of school	1,067
High School graduates	2,305
College graduates & beyond	595
HOUSEHOLDS	
Total	2,618
With persons under 18	941
With persons over 64	607
Receiving public aid	234
Receiving social security	692
Average persons per household	2.42
Family households	1,734
INCOME & POVERTY	
Per capita income, 1980	7,079
Per capita income, 1985	9,444
Median household income	14,885
Median family income	18,007
Persons in poverty	785
CIVILIAN LABOR FORCE	
Total	2,994
by occupation:	
Managers & Professionals	717
Technicians, Sales & administrative support	814
Service occupations	525
Farming, fishing & forestry	35
Precision production, craft and repair	256
Operators, fabricators and laborers	269
Self employed persons	130

General Information

Address: 66 North Lassen St.
96130
Telephone: 916-257-2174
Elevation: 4,258 ft.
Area (sq. miles): N/A
Incorporated: August 24, 1900
Type of government: General law

Voters & Government Officials

REGISTERED VOTERS
Total, Mar., 1989 3,268
Democrats 1,767
Republicans 1,108

LOCAL OFFICIALS
Mayor: David Foster
Mgr/Admstr: (Vacant)
Clerk: Mary A. Fahlen
Treasurer: George A. Farris
Attorney: Kathleen Lazard

LEGISLATIVE DISTRICTS
(see appendix A for names)
Congressional: 14th
State Senatorial: 1st
State Assembly: 1st

Public Safety

POLICE
Chief: Marcus Murphy
Sworn officers, 1988 13
Total crimes, 1988 443
Total violent crimes, 1988 103

FIRE
Chief: (Vacant)
Firefighters: M/Vol.

Public Library

Name & Address:
Served by County Library
N/A
N/A
Director: N/A
Number volumes owned N/A
number branches N/A

Housing & Construction

HOUSING UNITS, 1980
Total 2,845
Year round housing units 2,841
Single family units 1,978
Owner occupied housing units 1,582
Units built before 1950 1,710

NEW PRIVATELY OWNED HOUSING UNITS AUTHORIZED BY BUILDING PERMIT
1986 42
1987 27
1988 16

Municipal Finance

(fiscal year ending June 30, 1988)

REVENUES
Total 4,211,670
Taxes 1,753,062
Special benefits assessment 0
Licenses & permits 43,067
Fines & forfeitures 37,277
Revenue from use of money & property 181,087
Intergovernmental 676,327
Current service charge 1,450,944
Other revenues 69,906
Other financing sources 0

EXPENDITURES
Total 5,475,306
General government 490,669
Public safety 1,268,128
Transportation 1,151,230
Community development 585,698
Health 0
Culture & Leisure 347,514
Public utilities 1,611,867
Other 0

School System

(school year 1988-1989 except as noted)

SCHOOL DISTRICT
Lassen Union High
Superintendent: Marshall S. Leve, Jr.
Address: 1324 Cornell St.
Susanville, 96130
Telephone: 916-257-5134
Grade plan: 9-12
Enrollment 974
High school graduates, 1988 221
Full time teachers 49.4
Pupil/teacher ratio 19.7
Average teacher salary, 1988 32,151
Per pupil expenditure, 1988 5,199
District average CAP reading scores
1989, grade 8:
score N/A
percentile N/A
District average SAT scores
1989, grade 12:
verbal 430
math 465

OTHER DISTRICTS FOR THIS CITY
(see appendix B for district information)
Johnstonville Elementary
Richmond Elementary
Susanville Elementary

plumas county

Demographics & Socio-economic Characteristics

(from 1980 US census except as noted)

POPULATION	
1970	11,707
1980	17,340
1980 unincorporated area	15,455
1989 (est.)	20,050
1989 unincorp. area (est.)	17,900
1990 (projection)	20,905
2000 (projection)	23,601

SEX	
Male	8,778
Female	8,562

RACE & SPANISH ORIGIN	
race:	
White	16,443
Black	163
American Indian	498
Asian/Pacific Islander	53
Other	183

spanish origin:	
Total	636
Mexican	380
Puerto Rican	8
Cuban	2
Other spanish	246

AGE	
Under 5 years	1,534
5-17 years	3,145
18-64 years	10,671
65 & over	1,990
Median age	32.5

EDUCATIONAL ATTAINMENT	
0-8 years of school	2,366
High School graduates	7,017
College graduates & beyond	1,593

HOUSEHOLDS	
Total	6,637
With persons under 18	2,511
With persons over 64	1,452
Receiving public aid	557
Receiving social security	1,753
Average persons per household	2.59
Family households	4,987

INCOME & POVERTY	
Per capita income, 1980	6,857
Per capita income, 1985	9,051
Median household income	15,205
Median family income	17,227
Persons in poverty	1,660

CIVILIAN LABOR FORCE	
Total	7,722
by occupation:	
Managers & Professionals	1,389
Technicians, Sales & administrative support	1,730
Service occupations	1,090
Farming, fishing & forestry	265
Precision production, craft and repair	832
Operators, fabricators and laborers	1,113
Self-employed persons	884

General Information

County seat:	Quincy
Address:	P.O. Box 207 95971
Telephone:	916-283-6305
Incorporated:	March 18, 1854
Form of government:	General law
Total area (sq. miles):	2,618.4
land (sq. mi.):	2,570.0
water (sq. mi.):	48.4

Voters & Government Officials

REGISTERED VOTERS	
Total, Sept., 1989	10,845
Democrats	5,481
Republicans	4,145

LEGISLATIVE DISTRICTS	
(see appendix A for names)	
U.S. Congressional:	14th
State Senatorial:	1st
State Assembly:	1st

COUNTY OFFICIALS	
Exec./Adminstr./Mgr.:	N/A
Assessor:	Ernest Eaton
County Clerk:	Ila Diggs
District Atty.:	Thomas Buckwalter
Treas./Tax Coll.:	Barbara Coates
Pub. Works Dir.:	L. J. Brock

BOARD OF SUPERVISORS	
District 1:	Jim Smith
District 2:	John H. Schramel
District 3:	Donald Woodhall
District 4:	Joyce Scroggs
District 5:	Bill Coates

Public Safety

Sheriff:	William R. Mackenzie
Sworn officers, 1988	33
Total crimes	
unincorporated areas, 1988	1,212
Total violent crimes	
unincorporated areas, 1988	65

Housing & Construction

HOUSING UNITS, 1980	
Total	9,451
unincorporated areas	8,589
Year round housing units	8,237
unincorporated areas	7,392
Owner occupied units	5,974
unincorporated areas	5,327
Single family units	4,446
unincorporated areas	3,969

NEW PRIVATELY OWNED HOUSING UNITS AUTHORIZED BY BUILDING PERMIT	
1986	124
1987	173
1988	242

County Finance

(fiscal year ending June 30, 1988)

FINANCING SOURCES	
Total	20,050,781
Taxes	5,561,948
Special benefits assessment:	
Licenses, permits & franchises	236,958
Fines, forfeitures & penalties	163,741
Revenue from use of money & property	893,479
Aid from other governmental agencies	11,896,952
Charges for current services	879,484
Miscellaneous revenue	418,209
Other financing sources	0

FINANCING USES	
Total	19,504,433
General	3,156,739
Public protection	4,609,521
Public ways & facilities	5,435,592
Health	1,083,492
Sanitation	94,904
Public assistance	4,214,813
Education	280,843
Recreation & cultural services	127,529
Debt service	0

Education

(school year 1988-89 except as noted)

County Superintendent of Schools:	
Floyd E. Warren	
Address:	50 Church St. Quincy, 95971
Telephone:	916-283-2200
Number of school districts	1
Total enrollment	3,563
County average SAT scores	
1989, grade 12:	
verbal	403
math	453

County Library

Name:	Plumas County Library
Address:	445 W. Jackson Quincy, 95971
Telephone:	916-283-0780
Director:	Ross Olmsted
Number volumes owned	70,347
Number branches	10

Demographics & Socio-economic Characteristics

(from 1980 US Census except as noted)

POPULATION	
1970	1,625
1980	1,885
1989 (estimate)	2,160
SEX	
Male	921
Female	964
RACE & SPANISH ORIGIN	
race:	
White	1,776
Black	10
American Indian	60
Asian/Pacific Islander	4
Other	35
spanish origin:	
Total	131
Mexican	90
Puerto Rican	6
Cuban	0
Other spanish	35
AGE	
Under 5 years	177
6-17 years	340
18-64 years	1,100
65 & over	268
Median age	33.7
EDUCATIONAL ATTAINMENT	
0-8 years of school	283
High School graduates	810
College graduates & beyond	111
HOUSEHOLDS	
Total	744
With persons under 18	271
With persons over 64	202
Receiving public aid	113
Receiving social security	236
Average persons per household	2.53
Family households	530
INCOME & POVERTY	
Per capita income, 1980	6,740
Per capita income, 1985	9,094
Median household income	12,227
Median family income	15,729
Persons in poverty	198
CIVILIAN LABOR FORCE	
Total	793
by occupation:	
Managers & Professionals	102
Technicians, Sales & administrative support	175
Service occupations	131
Farming, fishing & forestry	6
Precision production, craft and repair	76
Operators, fabricators and laborers	179
Self employed persons	53

General Information

Address:	P.O. Box 1225 96122
Telephone:	916-832-4216
Elevation:	4,834 ft.
Area (sq. miles):	N/A
Incorporated:	May 16, 1946
Type of government:	General law

Voters & Government Officials

REGISTERED VOTERS	
Total, Mar., 1989	1,091
Democrats	678
Republicans	268

LOCAL OFFICIALS	
Mayor:	Melvin R. Moore
Mgr/Admstr:	Jan Wellman
Clerk:	Marsha Lake
Treasurer:	Cal Albright
Attorney:	Jan Klement

LEGISLATIVE DISTRICTS (see appendix A for names)	
Congressional:	14th
State Senatorial:	1st
State Assembly:	1st

Public Safety

POLICE	
Chief:	N/A
Sworn officers, 1988	N/A
Total crimes, 1988	N/A
Total violent crimes, 1988	N/A

FIRE	
Chief:	Curtis Marshall
Firefighters:	Vol.

Public Library

Name & Address:	
Served by County Library	
	N/A
	N/A
Director:	N/A
Number volumes owned	N/A
number branches	N/A

Housing & Construction

HOUSING UNITS, 1980	
Total	862
Year round housing units	845
Single family units	647
Owner occupied housing units	478
Units built before 1950	469

NEW PRIVATELY OWNED HOUSING UNITS AUTHORIZED BY BUILDING PERMIT	
1986	5
1987	6
1988	14

Municipal Finance

(fiscal year ending June 30, 1988)

REVENUES	
Total	1,456,675
Taxes	401,490
Special benefits assessment	0
Licenses & permits	19,938
Fines & forfeitures	2,922
Revenue from use of money & property	28,273
Intergovernmental	331,558
Current service charge	492,397
Other revenues	17,729
Other financing sources	172,320
EXPENDITURES	
Total	1,708,184
General government	190,668
Public safety	130,857
Transportation	323,814
Community development	126,340
Health	626,157
Culture & Leisure	62,971
Public utilities	247,179
Other	0

School System

(school year 1988-1989 except as noted)

SCHOOL DISTRICT	
Plumas Unified	
Superintendent:	Floyd E. Warren
Address:	50 Church St. Quincy, 95971-6009
Telephone:	916-283-2200
Grade plan:	K-12
Enrollment	3,563
High school graduates, 1988	240
Full time teachers	180.3
Pupil/teacher ratio	19.8
Average teacher salary, 1988	31,233
Per pupil expenditure, 1988	4,008
District average CAP reading scores	
1989, grade 8:	
score	279
percentile	70
District average SAT scores	
1989, grade 12:	
verbal	403
math	453

OTHER DISTRICTS FOR THIS CITY

(see appendix B for district information)

None

40

by County Supervisors Association of California

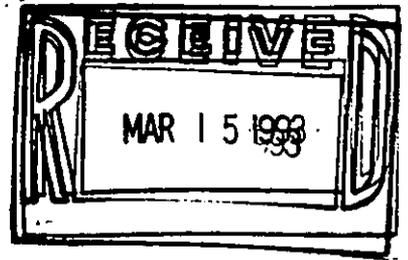
**PER CAPITA PERSONAL INCOME IN METROPOLITAN AREAS
AND COUNTIES BY SELECTED YEARS
(RESIDENCE ADJUSTED)**

Dollars			Dollars		
	1983	1984		1983	1984
California	13,278	14,471	Counties continued		
Consolidated Metropolitan Areas			Kern	10,628	11,381
Los Angeles-Anaheim-Riverside, CA	13,373	14,591	Kings	9,217	10,080
San Francisco-Oakland-San Jose, CA	15,632	17,171	Lake	10,130	10,753
Metropolitan Areas			Lassen	8,949	9,757
Anaheim-Santa Ana, CA	15,410	16,877	Los Angeles	13,290	14,526
Bakersfield, CA	10,628	11,381	Madera	9,418	9,888
Chico, CA	9,609	10,346	Marin	20,390	22,650
Fresno, CA	10,662	11,397	Mariposa	10,261	11,060
Los Angeles-Long Beach, CA	13,290	14,526	Mendocino	10,125	10,889
Modesto, CA	10,528	11,294	Merced	9,446	9,873
Oakland, CA	14,906	16,365	Modoc	9,327	10,317
Oxnard-Ventura, CA	13,192	14,336	Mono	10,051	11,168
Redding, CA	9,958	10,772	Monterey	13,121	14,058
Riverside-San Bernardino, CA	11,409	12,336	Napa	14,147	15,513
Sacramento, CA	11,769	12,831	Nevada	9,812	10,472
Salinas-Seaside-Monterey, CA	13,121	14,058	Orange	15,410	16,877
San Diego, CA	12,379	13,474	Placer	12,473	13,458
San Francisco, CA	17,782	19,592	Plumas	9,617	10,475
San Jose, CA	16,006	17,577	Riverside	12,146	13,090
Santa Barbara-Santa Maria-Lompoc, CA	13,931	15,458	Sacramento	11,851	12,931
Santa Cruz, CA	12,421	13,565	San Benito	9,728	10,367
Santa Rosa-Petaluma, CA	13,602	14,914	San Bernardino	10,861	11,769
Stockton, CA	10,664	11,392	San Diego	12,379	13,474
Vallejo-Fairfield-Napa, CA	12,479	13,628	San Francisco	16,533	18,151
Visalia-Tulare-Porterville, CA	9,310	9,917	San Joaquin	10,664	11,392
Yuba City, CA	9,478	10,172	San Luis Obispo	11,902	12,630
Counties			San Mateo	18,260	20,157
Alameda	14,068	15,415	Santa Barbara	13,931	15,458
Alpine	9,455	10,656	Santa Clara	16,006	17,577
Amador	10,780	11,630	Santa Cruz	12,421	13,565
Butte	9,609	10,346	Shasta	9,958	10,772
Calaveras	8,292	8,705	Sierra	9,905	10,751
Colusa	11,842	11,961	Siskiyou	9,351	10,176
Contra Costa	16,313	17,962	Solano	11,830	12,904
Del Norte	8,729	9,359	Sonoma	13,602	14,914
El Dorado	11,202	12,228	Stanislaus	10,528	11,294
Fresno	10,662	11,397	Sutter	10,281	11,003
Glenn	10,857	11,438	Tehama	9,099	9,707
Humboldt	10,130	10,825	Trinity	8,644	9,356
Imperial	9,253	9,981	Tulare	9,310	9,917
Inyo	10,914	11,709	Tuolumne	9,415	10,365
			Ventura	13,192	14,336
			Yolo	10,884	11,918
			Yuba	8,600	9,270

Source: Regional Economic Information System Bureau of Economic Analysis

**ALL INDUSTRIES
REPORTING UNITS, QUARTERLY WAGES, AND MONTHLY EMPLOYMENT BY COUNTY
OCTOBER - DECEMBER 1986**

COUNTY	OCTOBER - DECEMBER 1986				1986			1986 ANNUAL WAGES
	REPORTING UNITS	TOTAL QUARTERLY WAGES	NUMBER OF EMPLOYEES			AVERAGE EMPLOYEES		
			OCTOBER	NOVEMBER	DECEMBER			
STATE TOTALS.....	640,512	67,525,555.089	12,043,437	12,040,285	12,190,048	11,800,916	257,022,541,877	
ALAMEDA.....	26,974	3,205,599,142	546,757	548,344	551,616	540,507	12,331,063,135	
ALPINE.....	33	1,772,078	458	517	458	598	7,861,922	
AMADOR.....	732	30,445,094	6,829	6,822	6,634	6,528	115,473,679	
BUTTE.....	4,711	203,497,449	54,216	52,255	52,437	51,029	789,795,866	
CALAVERAS.....	725	23,854,905	6,072	5,939	5,893	5,800	87,505,178	
COLUSA.....	707	24,128,764	6,290	5,433	4,896	5,436	82,951,691	
CONTRA COSTA.....	15,322	1,480,133,108	262,247	262,862	266,584	249,897	5,607,252,464	
DEL NORTE.....	528	19,647,996	5,322	4,976	5,329	4,919	74,925,840	
EL DORADO.....	2,510	103,860,839	25,071	24,941	25,289	24,270	387,679,036	
FRESNO.....	17,354	1,031,895,664	248,394	243,481	251,547	249,702	3,947,491,494	
GLENN.....	870	32,152,858	8,574	7,766	7,670	7,508	118,583,355	
HUMBOLDT.....	3,534	180,936,947	42,115	41,469	41,034	40,588	691,949,906	
IMPERIAL.....	2,412	143,798,433	37,589	38,489	39,057	36,703	578,195,424	
INYO.....	611	25,547,896	6,396	6,343	6,320	6,327	97,424,486	
KERN.....	9,675	922,944,359	180,536	180,013	184,507	181,823	3,476,236,454	
KINGS.....	1,835	101,966,884	25,592	26,137	25,702	25,315	383,506,276	
LAKE.....	1,288	39,969,161	10,750	10,161	9,985	10,007	150,305,256	
LASSEN.....	551	35,083,895	8,022	7,640	7,185	7,200	132,819,732	
LOS ANGELES.....	193,670	24,439,687,425	4,066,642	4,081,376	4,138,033	3,986,675	92,921,851,479	
MADERA.....	1,924	86,483,327	29,612	31,364	25,286	23,775	331,749,053	
MARIN.....	7,529	493,537,607	89,871	90,590	91,641	88,455	1,873,450,876	
MARIPOSA.....	2,384	14,337,720	4,112	3,822	3,554	4,102	62,078,622	
MENDOCINO.....	2,384	108,165,413	27,700	26,039	25,851	25,761	408,642,100	
MERCED.....	3,608	198,631,490	54,274	51,653	51,096	50,773	760,621,495	
MODOC.....	350	9,920,727	2,797	2,617	2,619	2,489	35,346,275	
MONO.....	448	17,072,709	4,285	4,252	4,294	4,698	70,375,878	
MONTEREY.....	7,592	569,007,968	133,619	127,240	123,551	125,480	2,199,966,999	
NAPA.....	3,013	184,386,293	42,276	40,640	40,965	39,737	706,335,205	
NEVADA.....	1,809	72,287,005	16,908	17,103	17,319	16,598	276,589,654	
ORANGE.....	51,224	5,996,888,513	1,084,655	1,098,599	1,107,638	1,062,353	22,951,772,154	
PLACER.....	3,774	218,163,691	46,769	47,223	48,148	45,798	824,399,757	
PLUMAS.....	631	25,935,463	5,850	5,706	5,467	5,585	98,445,655	
RIVERSIDE.....	15,311	1,180,173,753	252,314	256,969	262,571	251,254	4,418,051,898	
SACRAMENTO.....	23,169	2,322,289,327	426,763	426,763	429,567	414,064	8,746,989,927	
SAN BENITO.....	828	38,992,418	10,299	9,118	8,437	9,585	154,129,358	
SAN BERNARDINO.....	17,474	1,657,856,354	343,418	345,697	349,639	330,749	6,176,186,303	
SAN DIEGO.....	44,353	4,455,676,876	856,879	864,369	887,707	845,679	16,972,650,199	



March 12, 1993

MEMO TO: John Blue, Waste Management Specialist
Planning & Assistance Division - Northern Section
California Integrated Waste Management Board

FROM: *pmr* Donna M. Rail
Solution Resources, Inc.

RE: Addendum to Lassen County Petition for Reduced
Requirements

The programs proposed for consideration in helping Lassen County achieve the reduced diversion requirements it is requesting are described in the enclosed document. Please let us know if you have any questions or need more information about any of the discussed programs.

We look forward to seeing you at the Lassen petition hearing now scheduled for April 7, 1993 at 1:30 p.m.

cc: Martin R. Diehl, Associate Engineer
Lassen County Department of Public Works

**ADDENDUM
TO
LASSEN COUNTY
PETITION FOR REDUCED PLANNING
& DIVERSION REQUIREMENTS**

I. Introduction

Lassen County has been requested to prepare an addendum to its Petition for Reduced Requirements describing what programs and activities might be enacted to assist the County in achieving the reduced diversion requirements of 12% by 1995 and 35% by the year 2000. This document is presented in response to that request.

II. Review of Relevant Existing Conditions

Lassen County (unincorporated) can document a current diversion rate of approximately 4.8% of a total 12,551.6 TPY generated (counting ash landfilled at Bass Hill). The population of the County is fairly widely dispersed, except for Susanville, the only incorporated City in the County which accounts for nearly half the countywide disposed waste stream. A third important factor is a County budget already heavily impacted by the costs of closure and transformation of the six disposal facilities, and a relatively small staff to carry out administration and operations.

III. Programs to Achieve Reduced Diversion

There are two primary issues to consider when evaluating diversion programs: 1) selecting the most efficient and cost-effective programs; 2) fairness - distribution of the cost of collection, diversion and disposal over the entire user base. Whether programs should be created and administered by the County or by private enterprise is another issue of significance. While there are many programs that can help achieve the necessary diversion, low volumes of recyclables may make the cost of many programs exorbitant. The existing waste haulers serving Lassen County should be brought into the dialogue seeking solutions.

A. Education Programs

Considering the low current diversion rate and practices of waste burning and illegal dumping, it is clear that Lassen County residents must first receive basic waste reduction education. Information on how to reduce the amount of garbage generated by each citizen and household might be coordinated with air quality concerns to reduce the amount of backyard burning. Backyard composting can be encouraged in its place. A continued strong effort should be made to discourage illegal dumping, as well. The County may be able to work with the Bureau of Land Management to broaden its "Take Pride" program (promoting wise use of public lands).

Depending on the determination of cost-effectiveness, residents may be encouraged to source-separate recyclable materials that can be dropped off at transfer or buyback facilities. Using the same criterion, additional drop-off facilities could be set up at existing transfer stations or landfills or other locations closer to incorporated areas and concentrated population centers.

B. Materials Recovery Facility

Given the realities of Lassen County, an appropriately scaled materials processing facility may provide the most efficient approach to waste diversion. Whether County-owned and privately-operated or privately owned and operated, a low-volume facility handling less than 100 tons/day could operate at a cost of approximately \$35-\$40/ton. Current rates per ton for disposal are calculated at \$26/ton. It would be advisable to design a facility that could handle both source-separated and mixed waste.

The Benz Material Recovery Facility at Tehachapi serves an area not unlike Lassen County in that it is a rural area with low population density. The facility was monitored for effectiveness in diverting material from the Tehachapi and Mojave landfills during the six months July 19-December 31, 1991. During that time, a facility diversion rate compared with tons received was 27%.

Lassen County may well be able to achieve the reduced diversion rate of 12% through other kinds of programs; however, given the medium-term target of 35%, an appropriately scaled materials recovery facility offers the best approach to cost-effective diversion for the County unincorporated area. This could be designed to incorporate the Susanville waste stream.

C. Wood/Yard Waste Diversion

The County has had preliminary discussions with Honey Lake Power Company regarding a chipping program to manage clearing debris, tree trimmings, construction & demolition wood for use in their plant.

D. Additional Considerations

As Lassen County considers how best to accomplish its diversion goals, it will need to begin to establish appropriate guidelines and ordinances for the handling and flow of solid waste. This will be critical to stay in compliance with regulatory requirements as well as to provide overall system management, and to ensure revenue streams, cost-containment and participation of all solid waste generators. The County will also need to consider establishing service or franchise areas that will enable the private sector to develop the necessary diversion programs and facilities.

**CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD
RESOLUTION # 93-61**

**FOR THE REDUCTION OF PLANNING AND DIVERSION
REQUIREMENTS FOR THE UNINCORPORATED AREA OF LASSEN COUNTY**

Title 14, Division 7, Chapter 9, Section 18775

WHEREAS, Public Resources Code Section 41782 allows reductions in the diversion and planning requirements specified in Public Resources Code Section 41780, if a city or a county can demonstrate that achievement of the mandated requirements is not feasible due to geographic size or low population density, and small waste generation rates; and

WHEREAS, Title 14 of the California Code of Regulations, Section 18775 allows for qualifying jurisdictions to petition the Board for reductions in planning and diversion goals mandated by Public Resources Code Section 41780; and

WHEREAS, the Board has received a petition for reductions in the planning and diversion requirements from the County of Lassen; and

WHEREAS, the County of Lassen qualifies based on population density and small waste generation rates to petition the Board for specified reductions; and

WHEREAS, the Board has found that the request for reduction of 1995 diversion goals and reduction in planning requirements is reasonable based on the low population density and a small waste generation rate and that achievement of the mandated requirements is not feasible; and

WHEREAS, the Board has found that the request for a reduction in the year 2000 diversion mandates is not appropriate at this time due to possible future changes in the markets for recycled materials and other factors; and

WHEREAS, the County, by demonstrating that the achievement of the short-term diversion mandates is not feasible due to low population density and small quantity of solid waste generated within the County, has complied with Public Resources Code Section 41782 and Title 14 of the California Code of Regulations, Section 18775.

NOW, THEREFORE, BE IT RESOLVED that the Board hereby grants the reduction in the 1995 diversion mandates from 25% to 12% and the reduction in planning requirements to allow the County in the preparation of its SRRE to use a single existing conditions description section and a single monitoring and evaluation section.

BE IT FURTHER RESOLVED, that the Board denies the request for a reduction in the year 2000 diversion mandates at this time.

BE IT FURTHER RESOLVED, that the Board directs the County, on an annual basis, beginning one year after approval of this reduction, to report to the Board on all progress and conditions relevant to implementing diversion programs.

CERTIFICATION

The undersigned Executive Director 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 May 26, 1993.

Dated:

Ralph E. Chandler
Executive Director

