

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
BOARD ACTION SUMMARY

DEPT: Environmental Resources

BOARD AGENDA #: *B-9

AGENDA DATE: June 28, 2016

SUBJECT:

Approval of the Countywide Integrated Waste Management Plan Five-Year Review Conducted by the Local Task Force on Solid Waste Management

BOARD ACTION AS FOLLOWS:

No. 2016-335

On motion of Supervisor Withrow, Seconded by Supervisor Chiesa
and approved by the following vote,

Ayes: Supervisors: Chiesa, Withrow, DeMartini, and Vice-Chairman O'Brien

Noes: Supervisors: None

Excused or Absent: Supervisors: Chairman Monteith

Abstaining: Supervisor: None

- 1) Approved as recommended
- 2) Denied
- 3) Approved as amended
- 4) Other:

MOTION:

ATTEST: Elizabeth A. King
ELIZABETH A. KING, Clerk of the Board of Supervisors

File No.

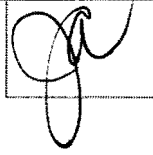
THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
AGENDA ITEM

DEPT: Environmental Resources
Urgent Routine

BOARD AGENDA #: *B-9

AGENDA DATE: June 28, 2016

CEO CONCURRENCE:



4/5 Vote Required: Yes No

SUBJECT:

Approval of the Countywide Integrated Waste Management Plan Five-Year Review Conducted by the Local Task Force on Solid Waste Management

STAFF RECOMMENDATIONS:

1. Approve the Countywide Integrated Waste Management Plan five-year review conducted by the Local Task Force on Solid Waste Management.
2. Authorize the Director of Environmental Resources, or designee, to submit the Five-Year Countywide Integrated Waste Management Plan Review Report to the California Department of Resources Recycling and Recovery.

DISCUSSION:

Assembly Bill 939, California's mandated waste diversion law, required all jurisdictions within the State to reduce by 50% the amount of material sent to landfill disposal by the end of the year 2000. Stanislaus County and the cities of Ceres, Hughson, Modesto, Newman, Oakdale, Patterson, Riverbank, Turlock and Waterford developed a Countywide Integrated Waste Management Plan (CIWMP) that identified strategies for meeting this mandate. The CIWMP consists of: Source Reduction and Recycling Elements, Household Hazardous Waste Elements, Non-Disposal Facility Elements (NDFE) for each individual jurisdiction, and a countywide Siting Element and Summary Plan.

The State of California Public Resources Code (PRC) requires each jurisdiction or agency to review its CIWMP at least once every five years to ensure that waste management practices remain consistent with the hierarchy listed in PRC Section 40051. This hierarchy in order of importance is: source reduction, recycling and composting, and environmentally safe landfill disposal and transformation (waste-to-energy). This report, i.e. the Five-Year Review Report, represents the fourth such report. The previous three reports covered the years 1995 through 2010, and were approved by the California Integrated Waste Management Board, now known as the California Department of Resources Recycling and Recovery, or CalRecycle. This report covers the years 2011 through 2015.

As is outlined in the California Code of Regulations (CCR) Section 18788, the Stanislaus County Local Task Force on Solid Waste Management (LTF) is responsible for performing the five-year review. The LTF is comprised of representatives from the incorporated cities, the County, a general public member, a community based organization member, and three members from industry. The LTF is directed to submit written comments to the County, in this

Approval of the Countywide Integrated Waste Management Plan Five-Year Review Conducted by the Local Task Force on Solid Waste Management

case to the Department of Environmental Resources (Department) which serves as staff to the LTF, as to whether updates or revisions to the various CIWMP elements are necessary.

In an effort to standardize and streamline the review reporting process, CalRecycle provided a review guidance document entitled the "Five-Year CIWMP Review Report Template." This template, when completed, serves as the Five-Year Review Report submittal to CalRecycle. Any revisions made to a CIWMP shall be submitted to CalRecycle for review and approval following local adoption.

The current review of the CIWMP began in September of 2015 and concluded at the April 21, 2016, LTF meeting. Representatives from industry, the County, the incorporated cities, with the exception of the City of Modesto, were present and participated in the review. At the April 21st meeting, the LTF completed the review of the CIWMP and determined no revisions were deemed necessary. With a quorum present, LTF members voted to approve the recommended updates and forward them to the County (Attachment #4). The updates are as follows:

- Non-Disposal Facility Element
 - Update Chapter 1, Section 1.2.1, items 1 and 2 to reflect additional cities utilizing a particular transfer station, and item 3 to reflect a facility that is no longer in operation.
- Summary Plan
 - Update Chapter 3, Section 3.1.2, update Local Task Force representatives.
 - Update Chapter 4, Table 4-4, update methods of handling recyclables.
 - Update Chapter 4, Section 4.1.4, update diversion facilities and recycling centers.
- Siting Element
 - Update Chapter 3, Section 3.1.1, update the disposal capacity of Fink Road Landfill as of January 1, 2016.
 - Update Chapter 3, Section 3.1.2, update the anticipated capacity needs projection for both Class II and Class LLL landfill capacity, Tables 3-3 through 3-6.
 - Update Chapter 4, Section 4.1.1, update the estimated life of the Landfill based on disposal capacity.
 - Update Chapter 4, Section 4.1.1, update next permit review and date of last review for the Covanta facility.
- Source Reduction and Recycling Element
 - Chapter 2, Section 2.2.8, update waste diversion activities.
 - Chapter 2, Section 2.2.8, update certified recycling centers, thrift stores and transfer stations.
 - Chapter 4, Section 4.2.1, update in the private certified recycling centers, inert material recycling, wood chipping/shredding, transfer stations and scrap metal recycling in County.
 - Chapter 4, Section 4.2.1, update refuse haulers, curbside recycling in County and government office recycling.
 - Chapter 4, Section 4.2.1, update construction and demolition recyclers within the County.
 - Chapter 4, Section 4.2.1, update scrap metal recyclers within the county.

Approval of the Countywide Integrated Waste Management Plan Five-Year Review Conducted by the Local Task Force on Solid Waste Management

- Chapter 4, Section 4.2.5, update Recycling Market Development Zone (RMDZ) description.
- Chapter 4, Section 4.2.6, update current can options for consumer incentives.
- Chapter 4, Section 4.2.7, update education methods.
- Chapter 4, Section 4.3, update corrugated to corrugated paper.
- Chapter 4, Section 4.3, update Department of Environmental Resources paper recycling program.
- Chapter 4, Section 4.3, update number of transfer stations and manual sorting facilities.
- Chapter 4, Section 4.3, update CalRecycle from formerly the California Integrated Waste Management Board (CIWMB).
- Chapter 4, Section 4.3.3, update RMDZ program information.
- Chapter 4, Section 4.3.4, update reduced service.
- Chapter 4, Section 4.3.4, update advertising to market development.
- Chapter 4, Section 4.5.3, update revenue source for cities as per change in MOU's.
- Chapter 6, Section 6.2.10, update Covanta Stanislaus.
- Chapter 6, Section 6.2.16, update year and amount of diverted tires.
- Chapter 8, Section 8.1.1, update Environmental Resources.
- Chapter 8, Section 8.1.1, update permitted capacity and estimated closure date of Landfill.
- Chapter 8, Section 8.1.1, Table 8-1, update disposal fees.
- Chapter 8, Section 8.1.1, update estimated remaining capacity and closure date of Landfill.
- Chapter 8, Section 8.1.3, update Covanta.
- Chapter 8, Section 8.1.3, update disposal cost per ton.
- Chapter 8, Section 8.2, update disposal agreement.
- Household Hazardous Waste Element
 - Chapter 3, Section 3.0, include "temporary" after mobile in this chapter and throughout document.
 - Chapter 3, Section 3.0, update new facility address.
 - Chapter 3, Section 3.0, update discussion of used oil to include used oil filters.
 - Chapter 3, Section 3.1.2, update to include recycling used oil and used filters curbside and local Certified Collection Centers.
 - Chapter 3, Section 3.1.3 & 3.2.3, update retail collection of used oil and used filters.

The above recommendations and the CIWMP Five-Year Review Report document (Attachment #3 Addenda 1-5) comprise the Five-Year Review Report to CalRecycle. Based on approval from the LTF, the Department has determined that the recommended changes constitute updates. Department staff will incorporate the LTF recommended updates into the Non-Disposal Facility Element, Summary Plan, Siting Element, and the Source Reduction and Recycling Element as indicated herein following the Board's action. At that time, the updated documents and template will be submitted to CalRecycle for approval.

Approval of the Countywide Integrated Waste Management Plan Five-Year Review Conducted by the Local Task Force on Solid Waste Management

POLICY ISSUE:

Public Resources Code (PRC) Sections 41770 and 41822, and Title 14, California Code of Regulations (CCR) Section 18788 require that each countywide or regional agency integrated waste management plan (CIWMP), and the elements thereof, be reviewed, revised if necessary and submitted to the Department of Resources Recycling and Recovery (CalRecycle) every five years.

FISCAL IMPACT:

Sufficient appropriations exist in the Fiscal Year 2016-2017 Adopted Proposed Budget to cover any ancillary costs associated with these updates.

BOARD OF SUPERVISORS' PRIORITY:

The recommended actions are consistent with the Board's priorities of A Safe Community, A Healthy Community, and A Well Planned Infrastructure System. Waste reduction strategies are critical to supporting the Department's mission to promote a safe and healthy environment and improve the quality of life in the community through a balance of science, education, partnerships and environmental regulation.

STAFFING IMPACT:

Staff currently serves as administrator for the Local Task Force that approves updates to the CIWMP. Updates, LTF approval, report writing, and submittal to CalRecycle is performed and completed by current staff.

CONTACT PERSON:

Jami Aggers, Director of Environmental Resources

Telephone: 209-525-6770

ATTACHMENT(S):

1. Five-Year CIWMP Review Report
2. 2016 Updates to the Five-Year Review
3. Five-Year CIWMP Report (Addenda 1-5)
4. Appendix

Stanislaus County

FIVE-YEAR CIWMP REVIEW REPORT



Prepared by
**DEPARTMENT OF
ENVIRONMENTAL RESOURCES**

June 2016

STATE OF CALIFORNIA
CalRecycle 709 (Rev. 02/15)

DEPARTMENT OF RESOURCES RECYCLING
AND RECOVERY (CalRecycle)

Five-Year CIWMP/RAIWMP Review Report Template

Public Resources Code (PRC) Sections 41770 and 41822, and Title 14, California Code of Regulations (CCR) Section 18788 require that each countywide or regional agency integrated waste management plan (CIWMP or RAIWMP), and the elements thereof, be reviewed, revised if necessary, and submitted to the Department of Resources Recycling and Recovery (CalRecycle) every five years. CalRecycle developed this Five-Year CIWMP/RAIWMP Review Report template to streamline the Five-Year CIWMP/RAIWMP review, reporting, and approval process.

A county or regional agency may use this template to document its compliance with these regulatory review and reporting requirements and as a tool in its review, including obtaining Local Task Force (LTF) comments on areas of the CIWMP or RAIWMP that need revision, if any. This template also can be finalized based on these comments and submitted to CalRecycle as the county or regional agency's Five-Year CIWMP or RAIWMP Review Report.

The Five-Year CIWMP/RAIWMP Review Report Template Instructions describe each section and provide general guidelines with respect to preparing the report. Completed and signed reports should be submitted to the CalRecycle's Local Assistance & Market Development (LAMD) Branch at the address below. Upon report receipt, LAMD staff may request clarification and/or additional information if the details provided in the report are not clear or are not complete. Within 90 days of receiving a *complete* Five-Year CIWMP/RAIWMP Review Report, LAMD staff will review the report and prepare their findings for CalRecycle consideration for approval.

If you have any questions about the Five-Year CIWMP/RAIWMP Review Report process or how to complete this template, please contact your LAMD representative at (916) 341-6199. Mail the completed and signed Five-Year CIWMP/RAIWMP Review Report to:

Dept. of Resources Recycling & Recovery
Local Assistance & Market Development, MS-9
P. O. Box 4025
Sacramento, CA 95812-4025

To edit & customize this template, the editing restrictions (filling in forms) must be disengaged. Select the Review tab, Protect Document, and then Restrict Formatting and Editing (uncheck editing restrictions). There is no password (options). Please contact your LAMD representative at (916) 341-6199 with related questions.

General Instructions: Please complete Sections 1 through 7, and all other applicable subsections. Double click on shaded text/areas () to select or add text.

SECTION 1.0 COUNTY OR REGIONAL AGENCY INFORMATION			
I certify that the information in this document is true and correct to the best of my knowledge, and that I am authorized to complete this report and request approval of the CIWMP or RAIWMP Five-Year Review Report on behalf of:			
County or Regional Agency Name Stanislaus County		County(s) [if a RAIWMP Review Report]	
Authorized Signature		Title Director	
Type/Print Name of Person Signing Jami Aggers	Date May 12, 2016	Phone (209) 525-6700	
Person Completing This Form (please print or type) Denise London		Title Sr. Resource Mgmt. Specialist	Phone (209) 525-6788
Mailing Address 3800 Cornucopia Way, Ste. C	City Modesto	State CA	Zip 95358
E-mail Address dlondon@envres.org			

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SECTION 2.0 BACKGROUND

This is the county's first Five-Year Review Report since the approval of the CIWMP.

The following changes have occurred since the approval of the county's planning documents or the last Five-Year CIWMP Review Report (whichever is most recent):

- | | |
|---|---|
| <input type="checkbox"/> Diversion goal reduction | <input type="checkbox"/> New city (name(s) _____) |
| <input type="checkbox"/> New regional agency | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Changes to regional agency | |

Additional Information (optional)

SECTION 3.0 LOCAL TASK FORCE REVIEW

- a. In accordance with Title 14 CCR, Section 18788, the Local Task Force (LTF) reviewed each element and plan included in the CIWMP and finalized its comments
 X at the 4/21/16 LTF meeting. x electronically (fax, e-mail) other (Explain): _____
- b. The County received the written comments from the LTF from 10/20/15 through 4/12/16.
- c. A copy of the LTF comments
 X is included as Appendix 1.
 was submitted to CalRecycle on _____.

SECTION 4.0 TITLE 14, CALIFORNIA CODE of REGULATIONS SECTION 18788 (3) (A) THROUGH (H)

The subsections below address not only the areas of change specified in the regulations, but also provide specific analyses regarding the continued adequacy of the planning documents in light of those changes, including a determination on any need for revision to one or more of the planning documents.

Section 4.1 Changes in Demographics in the County or Regional Agency

- Population: Department of Finance

POPULATION			
Population for Each Jurisdiction	2011	2015	% Change
City of Ceres	45,641	47,166	3.34%
City of Hughson	6,696	7,150	6.78%
City of Modesto	202,316	211,903	4.74%
City of Newman	10,497	10,840	3.27%
City of Oakdale	20,839	22,348	7.24%
City of Patterson	20,611	22,590	9.60%

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City of Riverbank	22,838	23,913	4.71%
City of Turlock	69,005	72,050	4.41%
City of Waterford	8,501	8,788	3.38%
Balance Of County	110,804	113,466	2.40%
Countywide Population	517,748	540,214	4.34%

Source: <http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2011-20/view.php>

- **Taxable Sales Transactions**

TAXABLE SALES						
Jurisdiction	2011	2012	2013	2014*	2015**	% Change
City of Ceres	324,281	344,766	349,443	485,074	377,240	16.33%
City of Hughson	12,220	10,927	12,264	85,550	11,870	-2.87%
City of Modesto	1,848,808	1,952,716	2,037,321	2,704,502	2,229,051	20.57%
City of Newman	22,566	24,456	23,935	45,167	25,706	13.91%
City of Oakdale	201,837	212,928	221,772	276,078	242,082	19.94%
City of Patterson	108,235	114,678	144,173	305,517	176,269	62.86%
City of Riverbank	205,056	207,863	218,449	237,007	230,546	12.43%
City of Turlock	769,824	820,930	843,746	1,099,639	922,383	19.82%
City of Waterford	24,578	26,335	28,118	43,660	31,654	28.79%
County Total	3,517,405	3,715,599	3,879,221	5,282,194	4,246,799	20.74%

Source: <http://www.boe.ca.gov/news/tsalescont.htm>

*2014 numbers were annualized based on Quarters 1-3 provided by Board of Equalization

**2015 numbers were forecasted based on 2011-2014 data

- Employment: [Employment Development Department](#) Click on the link to Local Area Profile, select the county from the drop down menu, then click on the "View Local Are Profile" button.

EMPLOYMENT			
Jurisdiction	2010	2015	% Change
Countywide	196,100	219,600	11.9%

Source: <http://www.labormarketinfo.edd.ca.gov/file/lfhist/10aawib.pdf>

UNEMPLOYMENT RATE			
Jurisdiction	2010	2015	% Change
Countywide	41,300	23,100	-44.06%

Source:

<http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/localAreaProfileQSResults.asp?selectedarea=Stanislaus+County&selectedindex=50&menuChoice=localareapro&state=true&geogArea=0604000099&countyName=>

- Consumer Price Index: Department of Industrial Relations

CONSUMER PRICE INDEX			
Statewide Consumer Price Index	2010	2015	% Change
	226.92%	249.67%	10.02%

Source: <https://www.dir.ca.gov/OPRL/CPI/EntireCCPI.PDF>

1. Demographic data, including population, taxable sales, employment, and consumer price index by jurisdiction for years up to 2006, are available at: <http://www.calrecycle.ca.gov/LGCentral/Tools/DivMeasure/JuAdjFac.asp>. Data for years beyond 2006 can be found on the following websites:
2. The Demographic Research Unit of the California Department of Finance is designated as the single official source of demographic data for State planning and budgeting (e.g., find E-5 City/County Population and Housing Estimates under Reports and Research Papers and then Estimates).
3. The Department of Finance's Demographic Research Unit also provides a list of State Census Data Center Network Regional Offices.

DWELLING INFORMATION									
Jurisdiction	2011 Single Family Dwellings	2015 Single Family Dwellings	% Change	2011 Multi-Family Dwellings	2015 Multi-Family Dwellings	% Change	2011 Mobile Homes	2015 Mobile Homes	% Change
Stanislaus County Regional Solid Waste Planning Agency	86,074	86,519	0.52%	12,092	12,076	-0.13%	7,303	6,467	-11.45%
City of Modesto	55,441	55,891	0.81%	17,485	17,694	1.20%	2,130	2,130	0.00%

Source: <http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2011-20/view.php>

Analysis

Upon review of demographic changes since 1995:¹

- The demographic changes since the development of the CIWMP do not warrant a revision to any of the countywide planning documents. Specifically, _____.
- These demographic changes since the development of the CIWMP warrant a revision to one or more of the countywide planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.2 Changes in Quantities of Waste within the County or Regional Agency; and Changes in Permitted Disposal Capacity and Waste Disposed in the County or Regional Agency

The following table illustrates the City of Modesto and the Regional Agency's In-County disposal.

IN-COUNTY DISPOSAL						
Disposal Facility	Jurisdiction	2011	2012	2013	2014	2015*
FINK LANDFILL	Stanislaus County Regional Solid Waste Planning Agency	62,255	48,015	60,677	52,998	94,683
	City of Modesto	13,962	22,084	18,442	21,921	29,804
	Out of County	16,117	13,899	17,491	18,649	13,980
COVANTA	Stanislaus County Regional Solid Waste Planning Agency	158,012	161,167	139,347	122,401	136,706
	City of Modesto	81,402	80,215	120,487	113,684	105,886
	Out of County	7,181	8,971	21,938	19,364	13,507

¹ The year of the data included in the planning documents, which is generally 1990 or 1991.

***2015 numbers were based on Disposal Based Report tonnages submitted to CalRecycle**

Source: <http://www.calrecycle.ca.gov/LGCentral/Reports/DRS/Origin/FacSummary.aspx>

IN-COUNTY DISPOSAL					
Jurisdiction	2011 Diversion Rate	2012 per capita disposal	2013 per capita disposal	2014 per capita disposal	2015 per capita disposal
Stanislaus County Regional Solid Waste Planning Agency	3.5	3.4	3.5	3.8	3.6
City of Modesto	3.6	4.0	4.5	3.9	4.4

***2015 numbers were forecasted based on 2011-2014 data**

Source: <http://www.calrecycle.ca.gov/LGCentral/Reports/jurisdiction/diversiondisposal.aspx>

- The approved target per capita disposal rate for the Regional Agency is **6.3 lbs/person/day**
- The approved target per capita disposal rate for the City of Modesto is **5.0 lbs/person/day**

***The Regional Agency's per capita disposal for 2015 is a forecast based on previous data from 2011-2014.**

****The City of Modesto's per capita disposal for 2015 is a forecast based on previous data from 2011-2014.**

A number of tools to facilitate the analysis and review of such changes in the waste stream are available from the following CalRecycle sources:

1. Various statewide, regional, and local disposal reports are available at <http://www.calrecycle.ca.gov/LGCentral/Reports/DRS/Default.aspx>.
 - a. CalRecycle's Disposal Reporting System tracks and reports the annual estimates of the disposal amounts for jurisdictions in California; additional California solid waste statistics are also available.
 - b. CalRecycle's Waste Flow by Destination or Origin reports include solid waste disposal, export, and alternative daily cover. They show how much waste was produced within the boundaries of an individual city, or within all jurisdictions comprising a county or regional agency. These data also cover what was disposed at a particular facility or at all facilities within a county or regional agency.
2. The Waste Characterization Database provides estimates of the types and amounts of materials in the waste streams of *individual California jurisdictions* in 1999. For background information and more recent statewide characterizations, please see <http://www.calrecycle.ca.gov/WasteChar/WasteStudies.htm>
3. CalRecycle's Countywide, Regionwide, and Statewide Jurisdiction Diversion Progress Report provides both summary and detailed information on compliance, diversion rates/50

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percent equivalent per capita disposal target and rates, and waste diversion program implementation for all California jurisdictions. Diversion program implementation summaries are available at <http://www.calrecycle.ca.gov/lgcentral/reports/diversionprogram/jurhist.aspx> and <http://www.calrecycle.ca.gov/lgcentral/reports/diversionprogram/jurhist.aspx>.

Together, these reports help illustrate changes in the quantities of waste within the county or regional agency as well as in permitted disposal capacity. This information also summarizes each jurisdiction's progress in implementing the Source Reduction and Recycling Element (SRRE) and complying with the 50 percent diversion rate requirement (now calculated as the 50 percent equivalent per capita disposal target), see Per Capita Disposal and Goal Measurement (2007 and Later) for details

- The county or regional agency (if it includes the entire county) continues to have adequate disposal capacity (i.e., equal to or greater than 15 years).
- X The county does not have 15 years remaining disposal capacity within its physical boundaries, but the Siting Element does provide a strategy² for obtaining 15 years remaining disposal capacity.
- The county does not have 15 years remaining disposal capacity and the Siting Element does not provide a strategy² for obtaining 15 years remaining disposal capacity. See Section 7 for the revision schedule(s).

Analysis

- These changes in quantities of waste and changes in permitted disposal capacity since the development of the CIWMP do not warrant a revision to any of the countywide planning documents. Specifically, _____.
- These changes in quantities of waste and changes in permitted disposal capacity since the development of the CIWMP warrant a revision to one or more of the planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.3 Changes in Funding Source for Administration of the Siting Element (SE) and Summary Plan (SP)

Since the approval of the CIWMP or the last Five-Year CIWMP Review Report (whichever is most recent), the county experienced the following significant changes in funding for the SE or SP:

- _____

² Such a strategy includes a description of the diversion or export programs to be implemented to address the solid waste capacity needs. The description shall identify the existing solid waste disposal facilities, including those outside of the county or regional agency, which will be used to implement these programs. The description should address how the proposed programs shall provide the county or regional agency with sufficient disposal capacity to meet the required minimum of 15 years of combined permitted disposal capacity.

Analysis

- There have been no significant changes in funding for administration of the SE and SP or the changes that have occurred do not warrant a revision to any of the countywide planning documents. Specifically, _____.
- These changes in funding for the administration of the SE and SP warrant a revision to one or more of the countywide planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.4 Changes in Administrative Responsibilities

The county experienced significant changes in the following administrative responsibilities since the approval of the CIWMP or the last Five-Year CIWMP Review Report (whichever is most recent):

- _____

Analysis

- There have been no significant changes in administrative responsibilities or the changes in administrative responsibilities do not warrant a revision to any of the planning documents. Specifically, _____.
- These changes in administrative responsibilities warrant a revision to one or more of the planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.5 Programs that Were Scheduled to Be Implemented, But Were Not

This section addresses programs that were scheduled to be implemented, but were not; why they were not implemented; the progress of programs that were implemented; a statement as to whether programs are meeting their goals; and if not, what contingency measures are being enacted to ensure compliance with Public Resources Code Section 41751.

1. Progress of Program Implementation

- a. SRRE and Household Hazardous Waste Element (HHWE)
 - All program implementation information has been updated in the CalRecycle Electronic Annual Report (EAR), including the reason for not implementing specific programs, if applicable.
 - All program implementation information has not been updated in the EAR. Attachment _____ lists the SRRE and/or HHWE programs selected for implementation, but which have not yet been implemented, including a statement as to why they were not implemented.
- b. Nondisposal Facility Element (NDFE)
 - There have been no changes in the use of nondisposal facilities (based on the current NDFEs and any amendments and/or updates).

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- Attachment _____ lists changes in the use of nondisposal facilities (based on the current NDFEs).
- c. Countywide Siting Element (SE)
X There have been no changes to the information provided in the current SE.
 Attachment _____ lists changes to the information provided in the current SE.
- d. Summary Plan
X There have been no changes to the information provided in the current SP.
 Attachment _____ lists changes to the information provided in the current SP.
2. Statement regarding whether Programs are Meeting their Goals
X The programs are meeting their goals.
 The programs are not meeting their goals. The discussion that follows in the analysis section below addresses the contingency measures that are being enacted to ensure compliance with PRC Section 41751 (i.e., specific steps are being taken by local agencies, acting independently and in concert with _____, to achieve the purposes of the California Integrated Waste Management Act of 1989) and whether the listed changes in program implementation necessitate a revision to one or more of the planning documents. _____

Analysis

- X The aforementioned changes in program implementation do not warrant a revision to any of the planning documents. Specifically, _____.
- Changes in program implementation warrant a revision to one or more of the planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.6 Changes in Available Markets for Recyclable Materials

The county experienced changes in the following available markets for recyclable materials since the approval of the CIWMP or the last Five-Year CIWMP Review Report (whichever is most recent):

Analysis

- X There are no significant changes in available markets for recycled materials to warrant a revision to any of the planning documents. Specifically, _____.
- Changes in available markets for recycled materials warrant a revision to one or more of the planning documents. Specifically, _____. See Section 7 for the revision schedule(s).

Additional Analysis (optional)

Section 4.7 Changes in the Implementation Schedule

The following addresses changes to the county's implementation schedule that are not already addressed in Section 4.5:

Analysis

- There are no significant changes in the implementation schedule to warrant a revision to any of the planning documents. Specifically, _____.
- Changes in the implementation schedule warrant a revision to one or more of the planning documents. Specifically, _____.

Additional Analysis (optional)

Note: Consider for each jurisdiction within the county or regional agency the changes noted in Sections 4.1 through 4.7 and explain whether the changes necessitate revisions to any of the jurisdictions' planning documents.

SECTION 5.0 OTHER ISSUES OR SUPPLEMENTARY INFORMATION (optional)

The following addresses any other significant issues/changes in the county and whether these changes affect the adequacy of the CIWMP to the extent that a revision to one or more of the planning documents is needed:

Analysis

There are no significant issues or changes that will affect the adequacy of the CIWMP.

SECTION 6.0 ANNUAL REPORT REVIEW

The Annual Reports for each jurisdiction in the county have been reviewed, specifically those sections that address the adequacy of the CIWMP elements. No jurisdictions reported the need to revise one or more of these planning documents.

The Annual Reports for each jurisdiction in the county have been reviewed, specifically those sections that address the adequacy of the CIWMP (or RAIWMP) elements. The following jurisdictions reported the need to revise one or more of these planning documents, as listed.

Analysis

The discussion below addresses the county's evaluation of the Annual Report data relating to planning document adequacy and includes determination regarding the need to revise one or more of the documents:

SECTION 7.0 REVISION SCHEDULE (if required)

2016 Updates to the Five-Year Review

1. Non-Disposal Facility Element

- Chapter 1, Section 1.2.1, update items 1 and 2 to reflect additional cities and item 3 a facility that is no longer in operation.

2. Summary Plan

- Chapter 3, Section 3.1.2, update Local Task Force representatives.
- Chapter 4, Table 4-4, update methods of handling recyclables.
- Chapter 4, Section 4.1.4, update diversion facilities and recycling centers.

3. Siting Element

- Chapter 3, Section 3.1.1, update the disposal capacity of Fink Road Landfill as of January 1, 2016.
- Chapter 3, Section 3.1.2, update the anticipated capacity needs projection for both Class II and Class LLL landfill capacity, Tables 3-3 through 3-6.
- Chapter 3, Section 3.1.2, update plan to achieve 15+ years Landfill capacity.
- Chapter 4, Section 4.1.1, update the estimated life of the Landfill based on disposal capacity.
- Chapter 4, Section 4.1.1, update next permit review and date of last review for the Covanta facility.
- Chapter 9, Section 9.1.1, update Board of Supervisors, Decision-making Authority chart.
- Chapter 9, Section 9.1.2, Table 9-2, update start and end dates to reflect "to be determined".

4. Source Reduction and Recycling Element

- Chapter 2, Section 2.1.1, update Table 2-1 Population Data.
- Chapter 2, Section 2.2.8, update waste diversion activities.
- Chapter 2, Section 2.2.8, updates certified recycling centers, thrift stores and transfer stations.
- Chapter 4, Section 4.2.1, update in the private certified recycling centers, inert material recycling, wood chipping/shredding, transfer stations and scrap metal recycling in county.

- Chapter 4, Section 4.2.1, update refuse haulers, curbside recycling in county and government office recycling.
- Chapter 4, Section 4.2.1, update construction and demolition recyclers within the county.
- Chapter 4, Section 4.2.1, update scrap metal recyclers within the county.
- Chapter 4, Section 4.2.5, update Recycling Market Development Zone (RMDZ) description.
- Chapter 4, Section 4.2.6, update current can options for consumer incentives.
- Chapter 4, Section 4.2.7, update education methods.
- Chapter 4, Section 4.3, update corrugated to corrugated paper.
- Chapter 4, Section 4.3, update Department of Environmental Resources paper recycling program.
- Chapter 4, Section 4.3, update implementation costs.
- Chapter 4, Section 4.3, update number of transfer stations and manual sorting facilities.
- Chapter 4, Section 4.3, update CalRecycle from California Integrated Waste Management Board (CIWMB).
- Chapter 4, Section 4.3.3, update RMDZ program information.
- Chapter 4, Section 4.3.4, update reduced service.
- Chapter 4, Section 4.3.4, update advertising to market development.
- Chapter 4, Section 4.5.3, update revenue source for cities as per change in MOU's.
- Chapter 6, Section 6.2.10, update Covanta Stanislaus.
- Chapter 6, Section 6.2.10, update year and amount of diverted ash.
- Chapter 6, Section 6.2.16, update year and amount of diverted tires.
- Chapter 8, Section 8.1.1, update one Landfill.
- Chapter 8, Section 8.1.1, update Environmental Resources.
- Chapter 8, Section 8.1.1, update permitted capacity and estimated closure date of Landfill.
- Chapter 8, Section 8.1.1, Table 8-1, update disposal fees.
- Chapter 8, Section 8.1.1, update estimated remaining capacity and closure date of Landfill.
- Chapter 8, Section 8.1.3, update Covanta.

- Chapter 8, Section 8.1.3, update disposal cost per ton.

5. Household Hazardous Waste Element

- Chapter 3, Section 3.0, include “temporary” after mobile in this chapter and throughout document.
- Chapter 3, Section 3.0, update new facility address.
- Chapter 3, Section 3.0, update discussion of used oil to include used oil filters.
- Chapter 3, Section 3.1.2, update to include recycling used oil and used filters curbside and local Certified Collection Centers.
- Chapter 3, Section 3.1.3 & 3.2.3, update retail collection of used oil and used filters.



**NON-DISPOSAL FACILITY
ELEMENT**

NOVEMBER 1995
Updated October 2004
Updated October 2007
Updated June 2011
Updated June 2016

**STANISLAUS COUNTY
CIWMP FIVE-YEAR REPORT
ADDENDA TO THE NON-DISPOSAL FACILITY ELEMENT**

NON-DISPOSAL FACILITY ELEMENT

- Update Chapter 1, Section 1.2.1, items 1 and 2 to reflect additional cities and item 3 a facility that is no longer in operation.

b) a general area description and/or other pertinent information.

1.2.1 NONDISPOSAL FACILITIES WITHIN THE UNINCORPORATED COUNTY

Within Stanislaus County the following nondisposal facilities exist:

1. Facility: Bertolotti Transfer and Recycling Center
Physical Address: 231 Flamingo Drive, Modesto, CA
Capacity: 750 TPD
Anticipated Diversion Rate: 15%
Participating Cities/Counties: Cities of Ceres, Modesto, Newman **and Patterson** and the unincorporated areas of Stanislaus County primarily, however, the facility may also take waste on an as-needed basis from the following jurisdictions (not intended to be an all inclusive list): Cities of Hughson, Oakdale, Riverbank, Turlock and Waterford.
General Area Description: Surrounding area is industrial and agricultural
2. Facility: Gilton Resource Recovery/Transfer Station
Physical Address: 800 S. McClure Road, Modesto, CA
Capacity: 1,200 TPD
Anticipated Diversion Rate: 15%
Participating Cities/Counties: Cities of **Hughson**, Modesto, Riverbank, Oakdale and the unincorporated areas of Stanislaus County primarily, however, the facility may also take waste on an as-needed basis from the following jurisdictions (not intended to be an all inclusive list): Cities of Ceres, Newman, Patterson, Turlock and Waterford.
General Area Description: Surrounding area is industrial
3. Facility: (**Inactive**) Gilton Resource Recovery/Composting Facility
Physical Address: 800 S. McClure Road, Modesto, CA
Capacity: 471 TPD
Anticipated Diversion Rate: N/A, all waste delivered, with the exception of contaminants, is expected to be diverted
Participating Cities/Counties: May include the Cities of Ceres, Hughson, Modesto, Newman, Oakdale, Patterson, Riverbank, Turlock and Waterford and the unincorporated areas of Stanislaus County or jurisdictions outside Stanislaus County (not intended to be an all inclusive list)
General Area Description: Surrounding area is industrial
4. Facility: Recology Grover Environmental Products (composting facility)
Physical Address: 6131 Hammett Road, Modesto, CA
Capacity: 125 TPD
Anticipated Diversion Rate: N/A, all waste delivered, with the exception of contaminants, is expected to be diverted
Participating Cities/Counties: May include the Cities of Ceres, Hughson, Modesto, Newman, Oakdale, Patterson, Riverbank, Turlock and Waterford and the unincorporated areas of Stanislaus County or jurisdictions outside Stanislaus County (not intended to be



SUMMARY PLAN

NOVEMBER 1995

Updated October 2004

Updated October 2007

Updated June 2011

Updated June 2016

STANISLAUS COUNTY CIWMP FIVE-YEAR REPORT ADDENDA TO THE SUMMARY PLAN

SUMMARY PLAN

- Update Chapter 3, Section 3.1.2, update Local Task Force representatives.
- Update Chapter 4, Table 4-4, update methods of handling recyclables.
- Update Chapter 4, Section 4.1.2, update list of solid waste facilities
- Update Chapter 4, Section 4.1.3, update Recycling Market Development Zone
- Update Chapter 4, Section 4.1.4, update diversion facilities and recycling centers.

Enforcement

Enforcement activities are managed as follows: a) Ordinance enforcement is provided by each local jurisdiction; and b) Enforcement issues related to franchised or licensed service providers, where applicable, are handled by each local jurisdiction.

Waste Handling Services and Solid Waste Facility Operation

A full description of waste handling services, including service areas, territories and existing solid waste disposal facilities, is found in Chapter 4, Description of Current Solid Waste Management Practices. Chapter 5, Summary of SRREs, HHWEs and NDFEs, includes a listing of the nondisposal facilities located within Stanislaus County. As indicated in Chapter 4, Stanislaus County owns and operates the Fink Road Landfill. All other solid waste facilities located in Stanislaus County are privately owned and operated.

The contracting communities for the Covanta Stanislaus, Inc., (transformation) facility, the City of Modesto and Stanislaus County, have entered into a joint exercise of powers agreement for the administration of the *Service Agreement for Supply and Acceptance of Solid Waste Among Covanta Stanislaus, the City of Modesto and the County of Stanislaus*. The Service Agreement provides for the design, construction, start-up, acceptance, operation and maintenance of the facility.

Local Enforcement Agency

The California Integrated Waste Management Board serves as the Local Enforcement Agency for Stanislaus County.

Budgeting

Budgeting is performed independently by each local jurisdiction in Stanislaus County.

Local Task Force

The Local Task Force (**LTF**) serves an advisory role on issues related to solid waste management and planning in Stanislaus County. The members include representatives from each of the following: the Stanislaus County Board of Supervisors, the nine incorporated cities in Stanislaus County, the Stanislaus **County Landfill**, and local community based organizations, local industry **and the general public**. The Stanislaus County Department of Environmental Resources serves as staff to the LTF.

**TABLE 4-4
 TARGETED MATERIALS, TRANSPORTATION AND HANDLING NEEDS for
 STANISLAUS COUNTY JURISDICTIONS**

Material Type	Program	Present Storage and Transport	Storage and Transport Needs
Corrugated	Buy-back, Curbside, Businesses, Transfer Stations	Storage at service provider's facility; transport by provider or end-user	Both currently adequate
Higrade	Buy-back, Office Collection, Recycling Facilities, Curbside, Transfer Stations	As above	Both currently adequate
Mixed Paper	Buy-back, Office Collection, Curbside, Recycling Facilities, Transfer Stations	As above	Both currently adequate
Ferrous	Waste-to-Energy, Buy-back, Businesses, Transfer Stations	As above	Both currently adequate
Aluminum	Curbside, Buy-back, Transfer Stations, Recycling Facilities	As above	Both currently adequate
Bimetal	Curbside, Businesses, Recycling Facilities	As above	Both currently adequate
Glass	Curbside, Buy-back, Transfer Stations, Businesses, Recycling Facilities	As above	Both currently adequate
Newspaper	Curbside, Buy-back, Businesses, Transfer Stations	As above	Both currently adequate
PET	Curbside , Buy-back, Transfer Stations	As above	Both currently adequate
HDPE	Curbside, Buy-back, Recycling Facilities, Transfer Stations	As above	Both currently adequate
Mixed Plastic	Curbside, Recycling Facilities, Transfer Stations	As above	Both currently adequate
Yard Waste	Curbside, Businesses, Transfer Stations, Recycling Facilities	As above	Both currently adequate
Inerts	Demolition Contractor, Transfer Stations, C&D	As above	Both currently adequate
Organics	Curbside, Businesses	As above	Both currently adequate

Chicago, IL.

4. Facility Name: Bertolotti Transfer and Recycling Center, 231 Flamingo Drive, Modesto, CA
Facility Owner: B&B Enterprises
Facility Operator: Bertolotti Disposal Service
5. Facility Name: Gilton Resource Recovery/Transfer Facility, Inc., 800 S. McClure Road, Modesto, CA
Facility Owner: Gilton Brothers Rental, Inc.
Facility Operator: Operator: Gilton Resource Recovery/Transfer Facility, Inc.
6. Facility Name: Waste Management, Inc. (**Inactive**), 2769 W. Hatch Road, Modesto, CA
Facility Owner: Waste Management, Inc.
Facility Operator: Waste Management, Inc.
7. Facility Name: Turlock Transfer, 1100 S. Walnut Road, Turlock, CA
Facility Owner: Marchant Land Management
Facility Operator: Turlock Transfer, Inc.
8. Facility Name: Gilton Resource Recovery/Compost Facility (INACTIVE)
800 S. McClure Road, Modesto, CA
Facility Owner: Gilton Brothers Rental, Inc.
Facility Operator: Gilton Resource Recovery/Transfer Facility, Inc.
9. Facility Name: **Recology** Grover Environmental Products Composting Facility, 6131 Hammett Road, Modesto, CA
Facility Owner: Bibens Nursery, c/o Robert Bibens
Facility Operator: Grover Landscaping, Inc.
10. Facility Name: City of Modesto Co-Compost Project, 7007 Jennings Road, Modesto, CA.
Facility Owner and Operator: City of Modesto
11. Facility Name: **Recology** Grover Environmental Products, 3401 Gaffery Road, Vernalis, CA
Facility Owner and Operator: Grover Landscape Services Inc.
12. Facility Name: Sun Dry Products Inc. 3401 Gaffery Road, Vernalis, CA
Facility Owner and Operator: Sun Dry Products Inc.
Note: Site map for Sun Dry Products is the same as the Grover Environmental on page 4-17B of Addendum I of the Five Year Report.

4.1.3 REQUIRED DESCRIPTION OF MARKET DEVELOPMENT ACTIVITIES

This section shall include a description of any Recycling Market Development Zones (RMDZ) in the county and applicable strategies for processing and/or marketing secondary materials, including forming regional secondary materials marketing associations and joining associations outside jurisdictional boundaries. This description shall also discuss the county's role in developing markets.

Recycling Market Development Zone

Stanislaus County, together with each of its nine incorporated cities, applied for and successfully received designation as a countywide Recycling Market Development Zone during Cycle III of the state's Zone designation process. That RMDZ designation was final in November 1994. The Zone Administrator **role is the responsibility of the Stanislaus County Department of Environmental Resources.**

The goal of the Stanislaus County RMDZ is to increase waste diversion capabilities in the rural Central San Joaquin Valley of California, and specifically in Stanislaus County, and to create jobs in one of California's most chronically unemployed regions. Currently the Stanislaus County RMDZ is implementing a grant project within its Zone, provided by Assembly Bill 1220 and administered by the Integrated Waste Management Board. The purpose of the grant project is to promote the Zone designation and the benefits it offers. The desired outcome of the project, in addition to the business information and outreach benefits, is to successfully locate one or more new or expanded businesses within the Zone which will utilize secondary materials within their manufacturing process.

Stanislaus County's Zone designation applies countywide in all areas suitable for the location of commercial or industrial manufacturing businesses as shown on the applicable General Plan for that jurisdiction.

Applicable Strategies for Processing and/or Marketing Secondary Materials

Throughout Stanislaus County, the following strategies are applicable and are described within jurisdiction-specific SRREs in Section 4.3.5, Market Development, of Chapter 4, Recycling, as follows:

Stanislaus County and its nine incorporated cities will utilize the following methods to increase markets for recycled products:

Monitoring of Recycled Product Procurement Policies (where applicable)

- Promotion of recycled product purchasing and procurement practices and policies in the private sector;
- Coordination of educational efforts to encourage the use of recycled content products in the private sector;

- Promotion (to the extent possible) of the development of local and regional end-use

CHAPTER 4 DESCRIPTION OF CURRENT SOLID WASTE MANAGEMENT PRACTICES

4.0 SUMMARY OF REQUIREMENTS

This chapter shall describe the current or most recent solid waste management practices in the county. This description shall cover the following areas:

- The factors affecting the current collection, removal and disposal of solid waste;
- An identification of all permitted solid waste facilities located within the county; and
- A description of Recycling Market Development Zones and applicable strategies for processing and/or marketing secondary materials, including forming regional secondary materials marketing associations and joining associations outside the jurisdictional boundaries.

Additionally, this section of the document **may** include a description of waste diversion facilities located countywide that are exempt or have received an exclusion from a solid waste facilities permit, to the extent practicable.

4.1 SPECIFIC REQUIREMENTS

The specific requirements for the content of this chapter are contained in the California Code of Regulations (CCR) Section 18757.5.

4.1.1 DESCRIPTION OF THE FACTORS AFFECTING COLLECTION, REMOVAL AND DISPOSAL OF SOLID WASTE

This section must include a description of the factors affecting the collection, removal and disposal of solid waste. This description shall include, but is not limited to:

- ◆ Service areas;
- ◆ Territories served through franchises, permits, contracts or governmental services;
- ◆ The quantity of waste collected in each jurisdiction of the County Integrated Waste Management Plan area;
- ◆ Storage and transportation needs, and existing and anticipated methods for handling materials targeted for recycling; and
- ◆ The final destination of collected wastes, in both cubic yards and tons.

The following consists of a description of the factors affecting the collection, removal and disposal of solid waste within Stanislaus County:

Service Areas

The service areas throughout Stanislaus County are defined by jurisdictional boundaries. Specifically, there are nine incorporated cities plus the unincorporated area. Within each of these service areas, the local governing body has jurisdiction over waste management for that respective area. These service areas and responsible governmental agencies are identified in Table 4-1.

TABLE 4-1 WASTE MANAGEMENT SERVICE AREAS and RESPONSIBLE GOVERNMENTAL AGENCIES	
Service Area	Responsible Agency
City of Ceres	Ceres City Council
City of Hughson	Hughson City Council
City of Modesto	Modesto City Council
City of Newman	Newman City Council
City of Oakdale	Oakdale City Council
City of Patterson	Patterson City Council
City of Riverbank	Riverbank City Council
City of Turlock	Turlock City Council
County of Stanislaus	Stanislaus County Board of Supervisors

Territories

Specific waste management services are often further defined within service areas by the identification of territories. Such territories are then served through agreements with providers using various mechanisms such as franchises, permits and contracts, or service may be provided by the local governing body itself. The territories and mechanisms utilized to provide service within Stanislaus County are identified in Table 4-2, following:

TABLE 4-2
TERRITORIES AND SERVICE MECHANISMS UTILIZED
in
STANISLAUS COUNTY

Territory	Mechanism
City of Ceres - One all-encompassing service area	Franchise
City of Hughson - One all-encompassing service area	Franchise
City of Modesto - Divided into two service areas	Licenses
City of Newman - One all-encompassing service area	Franchise
City of Oakdale - One all-encompassing service area	Franchise
City of Patterson - One all-encompassing service area	<u>License</u>
City of Riverbank - One all-encompassing service area	License
City of Turlock - One all-encompassing service area	Franchise
City of Waterford - One all-encompassing service area	Franchise
Stanislaus County (Unincorporated Area) - Divided into three different service areas and served by three providers	Franchises

Quantities of Materials Collected

The quantities of waste materials collected for disposal from Stanislaus County jurisdictions has been taken from the Source Reduction and Recycling Elements (SRRE) for each respective jurisdiction, and is based on the baseline year of 1990. This information is summarized in Table 4-3, following.

TABLE 4-3				
QUANTITIES OF SOLID WASTE COLLECTED				
2000				
JURISDICTION	Tons		Cubic Yards*	
	Daily	Annual	Daily	Annual
City of Ceres	76.25	27,833.06	152.51	55,666.12
City of Hughson	7.91	2,887.17	15.82	5,774.34
City of Modesto	479.03	174,846.70	958.06	349,693.40
City of Newman	18.69	6,823.61	37.39	13,647.22
City of Oakdale	72.45	26,444.49	144.90	52,888.98
City of Patterson	31.88	11,635.94	63.76	23,271.88
City of Riverbank	49.10	17,920.70	98.20	35,841.40
City of Turlock	135.27	49,374.87	270.55	98,749.74
City of Waterford	9.24	3,372.01	18.48	6,744.02
County of Stanislaus	373.43	136,302.92	746.87	272,605.84
Total	1,253.26	457,441.47	2,506.53	914,882.94

*Note: For general disposal calculations, a conversion factor of 2.0 cubic yards per ton is used, where 1.3 cubic yards is attributable to waste and 0.7 cubic yards is attributable to cover material.

Storage and Transportation Needs

This section must include a description of the storage and transportation needs and existing or anticipated methods for handling materials targeted for recycling. Throughout Stanislaus County, the following information relative to targeted materials, transportation and handling needs is applicable and is outlined in Tables 4-4, following, taken in part from the jurisdiction-specific SRREs:

TABLE 4-4 TARGETED MATERIALS, TRANSPORTATION AND HANDLING NEEDS for STANISLAUS COUNTY JURISDICTIONS			
Material Type	Program	Present Storage and Transport	Storage and Transport Needs
Corrugated	Buy-back, Curbside, Businesses, Transfer Stations	Storage at service provider's facility; transport by provider or end-user	Both currently adequate
Higrade	Buy-back, Office Collection, Recycling Facilities, Curbside, Transfer Stations	As above	Both currently adequate
Mixed Paper	Buy-back, Office Collection, Curbside, Recycling Facilities, Transfer Stations	As above	Both currently adequate
Ferrous	Waste-to-Energy, Buy-back, Businesses, Transfer Stations	As above	Both currently adequate
Aluminum	Curbside, Buy-back, Transfer Stations, Recycling Facilities	As above	Both currently adequate
Bimetal	Curbside, Businesses, Recycling Facilities	As above	Both currently adequate
Glass	Curbside, Buy-back, Transfer Stations, Businesses, Recycling Facilities	As above	Both currently adequate
Newspaper	Curbside, Buy-back, Businesses, Transfer Stations	As above	Both currently adequate
PET	Curbside , Buy-back, Transfer Stations	As above	Both currently adequate
HDPE	Curbside, Buy-back, Recycling Facilities, Transfer Stations	As above	Both currently adequate
Mixed Plastic	Curbside, Recycling Facilities, Transfer Stations	As above	Both currently adequate
Yard Waste	Curbside, Businesses, Transfer Stations, Recycling Facilities	As above	Both currently adequate
Inerts	Demolition Contractor, Transfer Stations, C&D	As above	Both currently adequate
Organics	Curbside, Businesses	As above	Both currently adequate

Final Destination of Materials Collected

The final destination of waste materials collected from Stanislaus County jurisdictions, by quantity, expressed in both cubic yards and tons per year for each destination, is shown in Table 4-5. As shown in Table 4-3, this information is also based upon the SRREs for each individual jurisdiction, based upon the baseline year of 1990.

TABLE 4-5 DISPOSITION OF SOLID WASTE COLLECTED ANNUALLY (2005)				
	Total	Landfilled	Transformed	Exported
Tons Per Year	561,801	334,501	226,973	327
Cubic Yards Per Year	874,775	669,002	295,065	654
Percent of Total	100%	59.54%	40.4%	.06%

*Note: A conversion factor of 2.0 cubic yards/ton was used for the waste which was landfilled, and 1.3 cubic yards/tons was used for the waste which was transformed. For this reason, the total cubic yards shown here does not match the total cubic yards shown in Table 4-3.

4.1.2 REQUIRED IDENTIFICATION OF PERMITTED SOLID WASTE FACILITIES

This section of the document shall identify all permitted solid waste facilities located countywide. This description shall include, but is not limited to:

- ◆ Facility name and location; and
- ◆ A map showing existing permitted solid waste facilities countywide.

The following consists of a listing of the permitted solid waste facilities located in Stanislaus County:

1. Facility Name: Fink Road Landfill, 4000 Fink Road, Crows Landing, CA
Facility Owner: Stanislaus County
Facility Operator: Stanislaus County Department of Environmental Resource
2. Facility Name: Bonzi Sanitation Landfill, 2650 W. Hatch Road, Modesto, CA
Facility Owner: Ma-Ru Holding Company, Inc.
Facility Operator: Bonzi Sanitation Landfill, Inc.
3. Facility Name: Covanta Stanislaus, Inc., (transformation) facility, (immediately adjacent to the Fink Road Landfill) 4040 Fink Road, Crows Landing, CA
Facility Owner and Operator: Owner and operator: Covanta Stanislaus, Inc. Covanta Stanislaus, Inc., is a wholly owned subsidiary of Danielson Holding Corporation,

Chicago, IL.

4. Facility Name: Bertolotti Transfer and Recycling Center, 231 Flamingo Drive, Modesto, CA
Facility Owner: B&B Enterprises
Facility Operator: Bertolotti Disposal Service
5. Facility Name: Gilton Resource Recovery/Transfer Facility, Inc., 800 S. McClure Road, Modesto, CA
Facility Owner: Gilton Brothers Rental, Inc.
Facility Operator: Operator: Gilton Resource Recovery/Transfer Facility, Inc.
6. Facility Name: Waste Management, Inc. (**Inactive**), 2769 W. Hatch Road, Modesto, CA
Facility Owner: Waste Management, Inc.
Facility Operator: Waste Management, Inc.
7. Facility Name: Turlock Transfer, 1100 S. Walnut Road, Turlock, CA
Facility Owner: Marchant Land Management
Facility Operator: Turlock Transfer, Inc.
8. Facility Name: Gilton Resource Recovery/Compost Facility (INACTIVE)
800 S. McClure Road, Modesto, CA
Facility Owner: Gilton Brothers Rental, Inc.
Facility Operator: Gilton Resource Recovery/Transfer Facility, Inc.
9. Facility Name: **Recology** Grover Environmental Products Composting Facility, 6131 Hammett Road, Modesto, CA
Facility Owner: Bibens Nursery, c/o Robert Bibens
Facility Operator: Grover Landscaping, Inc.
10. Facility Name: City of Modesto Co-Compost Project, 7007 Jennings Road, Modesto, CA.
Facility Owner and Operator: City of Modesto
11. Facility Name: **Recology** Grover Environmental Products, 3401 Gaffery Road, Vernalis, CA
Facility Owner and Operator: Grover Landscape Services Inc.
12. Facility Name: Sun Dry Products Inc. 3401 Gaffery Road, Vernalis, CA
Facility Owner and Operator: Sun Dry Products Inc.
Note: Site map for Sun Dry Products is the same as the Grover Environmental on page 4-17B of Addendum I of the Five Year Report.

4.1.3 REQUIRED DESCRIPTION OF MARKET DEVELOPMENT ACTIVITIES

This section shall include a description of any Recycling Market Development Zones (RMDZ) in the county and applicable strategies for processing and/or marketing secondary materials, including forming regional secondary materials marketing associations and joining associations outside jurisdictional boundaries. This description shall also discuss the county's role in developing markets.

Recycling Market Development Zone

Stanislaus County, together with each of its nine incorporated cities, applied for and successfully received designation as a countywide Recycling Market Development Zone during Cycle III of the state's Zone designation process. That RMDZ designation was final in November 1994. The Zone Administrator **role is the responsibility of the Stanislaus County Department of Environmental Resources.**

The goal of the Stanislaus County RMDZ is to increase waste diversion capabilities in the rural Central San Joaquin Valley of California, and specifically in Stanislaus County, and to create jobs in one of California's most chronically unemployed regions. Currently the Stanislaus County RMDZ is implementing a grant project within its Zone, provided by Assembly Bill 1220 and administered by the Integrated Waste Management Board. The purpose of the grant project is to promote the Zone designation and the benefits it offers. The desired outcome of the project, in addition to the business information and outreach benefits, is to successfully locate one or more new or expanded businesses within the Zone which will utilize secondary materials within their manufacturing process.

Stanislaus County's Zone designation applies countywide in all areas suitable for the location of commercial or industrial manufacturing businesses as shown on the applicable General Plan for that jurisdiction.

Applicable Strategies for Processing and/or Marketing Secondary Materials

Throughout Stanislaus County, the following strategies are applicable and are described within jurisdiction-specific SRREs in Section 4.3.5, Market Development, of Chapter 4, Recycling, as follows:

Stanislaus County and its nine incorporated cities will utilize the following methods to increase markets for recycled products:

Monitoring of Recycled Product Procurement Policies (where applicable)

- Promotion of recycled product purchasing and procurement practices and policies in the private sector;
- Coordination of educational efforts to encourage the use of recycled content products in the private sector;
- Promotion (to the extent possible) of the development of local and regional end-use

- markets for material recovered locally;
- Consideration of the development of economic or market development zones to attract businesses and industries which will use locally recovered materials;
- Consideration to the development of incentives for existing commercial and industrial businesses which replace existing materials purchased from non-local markets with end-use products generated from local recovered materials; and
- Continued monitoring of market development activities on the federal and state level to identify opportunities for local application as well as continued monitoring relative to state and federal legislative activity where recycling commodities markets may be improved.

With respect to composting, throughout Stanislaus County, the following strategies are applicable and are described within jurisdiction-specific SRREs in Section 5.1.2 (for Modesto), and 5.1.4, Market Development Objectives, of Chapter 5, Composting, as follows:

- Stanislaus County and its nine incorporated cities may assist composting facility operators in determining local and cost effective out-of-area markets through surveys and studies, and products may be tailored by operators to meet the specifications of those markets;
- Local businesses and residents will be encouraged to use the products generated by the composting programs;
- Product procurement policies may be adopted which will require local government use of composted materials;
- Incentives to consumers to use the compost products which are generated by the programs will be identified and may be used, if necessary to meet diversion goals;
- A feasibility study may be undertaken regarding adopting a requirement within the local
 - ◆ Stanislaus County will work cooperatively with its nine incorporated cities as well as surrounding communities to coordinate regionwide diversion programs to the greatest extent feasible;
 - ◆ **Stanislaus County will work cooperatively with its nine incorporated cities as well as surrounding communities to coordinate marketing strategies to strengthen its Recycling Market Development Zone (RMDZ) program and waste diversion efforts wherever possible; and**
 - ◆ Through a Memorandum of Understanding, Stanislaus County will work cooperatively with the Cities of Ceres, Hughson, Newman, Oakdale, Patterson, Riverbank, Turlock and Waterford to provide the ongoing planning and implementation functions as described within the individual SRREs for these jurisdictions.

4.1.4 DESCRIPTION OF UNPERMITTED WASTE DIVERSION FACILITIES

This section of the document is **optional**, at the county’s discretion, and may include a description of waste diversion facilities located within the county that are exempt or have received an exclusion from a solid waste facilities permit, to the extent practicable.

Within Stanislaus County, the following waste diversion facilities exist where solid waste facility permits are not currently required by the state:

Ceres/Hughson/Keyes

Ceres Recycling, 3940 Moffett Road.....	541-0711
TOMRA Pacific (call for locations & hours) www.replanetusa.com	1-877-REPLANET
Avila Recycling/Sequoia Market, 2000 Central Avenue, Ceres.....	537-2761
Dos Palos Recycling, 6719 Hughson Ave., Hughson.....	518-4771
Tower Supermarket, 5461 7th St., Keyes.....	667-0800
Future Plastics, 2208 Pine Street, Ceres www.futureplastics.net.....	531-1500
Universal Service Recycling Inc., 570 S. 9th St., Ceres www.usrscrap.com.....	622-4040

Modesto

Nexcycle www.nexcyclecalifornia.com (call for locations and hours).....	1-800-969-2020
Central Valley Recycling, 524 South 9th Street.....	544-1578
A&S Metals, 1616 Angelo Way	537-4766
Modesto Junk, 1425 9th Street www.modestojunk.com	522-1435
Star Recycling, 2031 Crows Landing Rd.....	669-2932
American Mobile Shredding, 325 River Rd. www.americanmobileshredding.com..	491-2323
American Recycling, 2070 Morgan Rd. www.americanrecyclingca.com.....	537-4410
Cen Cal Recycling, 236 Santa Cruz Ave.....	549-9911
EAC Recycling, 1424 Carver Rd.....	300-4814
EAC Recycling, 2805 Earl St.....	300-4814
Go Green Recycling, 2413 Yosemite Blvd. www.ggreycling.net.....	578-5857
Iron Valley Metals, 1248 Reno Ave.....	578-5857
Jim Newell’s Iron & Metal 228 Empire Ave www.jnmetals.com.....	402-8420
JL Recycling 2101 W. Rumble Rd.....	513-3797
K&K Electronics 1616 Oakdale Rd.. www.knkelectronics.com.....	551-0500
RePlanet 3430 Tully Rd. www.RePlanetusa.com.....	877-737-5263
Royal Recycling 210 El Roya Ave.. www.royalrecyclingcenter.com.....	526-2476
S+D Recycling 1149 Kansas Ave.....	572-094
Star Recycling, locations at: 3801 Yosemite Blvd., 2221 Scenic Dr., 2456 McHenry Ave, 448 Paradise Rd.	
Target 3405 Sisk Rd.....	572-3341
Target 3900 Sisk Rd.....	543-9561
TCOB Recycling 903 Jefferson St.....	818-5523
The New Tin yard 623 Kansas Ave.. www.thenewtinyard.com.....	522-6456

Zaff's Scrap Metal 571 S. 9th St.....522-9233

Oakdale

Oakdale Recycle Center, 1477 S. Yosemite Avenue..... 847-8401
 Nexcycle (call for locations and hours) www.nexcyclecalifornia.com.....1-800-969-2020

Riverbank

Nexcycle (call for locations and hours) www.nexcyclecalifornia.com.....1-800-969-2020
Riverbank Recycling 2780 Patterson Rd.,863-8641
Target 2425 Claribel Rd.....863-1270
RePlanet 6331 Oakdale Rd. www.replanetusa.com.....1-877-737-5263

Turlock

Turlock Recycling, 1020 S. Walnut Street www.turlockscavenger.com668-6060
 Nexcycle 2900 Geer Rd. www.NexCycle.com.....1-800-969-2020
 Central Valley Recycling, 291 5th St.....632-4847
Escobar Recycling, 954 W. Main St.....669-2500
Cal Green Recycling 2474 Industrial Row www.cal-greenrecycling.com.....668-1738
Go Green Recycling 1600 McCormick St www.ggreycling.com.....667-7766
Ike's Appliance & Associates 1107 W. Linwood Ave.....667-1320
Target 3000 Countryside Dr.....632-0132
USA Recycling 420 C St www.usarecyclingcompany.com.....664-0479

Waterford

RePlanet 12138 Yosemite Blvd www.replanetusa.com.....1-877-737-5263

Newman/Patterson/Westley/Crows Landing

Patterson Recycling 401 N. 1st St. Patterson:.....892-1917
 Mid Valley Recycling, 107 S. 2nd St. Patterson.....559-706-7351
Maria's Recycling, 21813 Hwy. 33, Crows Landing.....303-4662
RePlanet 1945 N St www.replanetusa.com.....877-737-5263

Salida

Go Green Recycling 4931 Cloutier Dr. www.ggreycling.net.....545-4560

Recycling Centers

Please call for hours of operation

Glass - Buy back or drop-off

Oakdale Recycling, 1477 South Yosemite Avenue, Oakdale.....847-8401
 Central Valley Recycling, 424 South 9th Street, Modesto544-1578
 Ceres Recycling, 3940 Moffett Road, Ceres541-0711
 Turlock Recycling, 1020 South Walnut Avenue, Turlock668-6060

Patterson Recycling 401 N. 1 st St. Patterson.....	892-1927
Central Valley Recycling, 524 S. 9th St., Modesto	544-1578
Avila Recycling/La Sequoia Market 2000 Central Ave. Ceres.....	537-2761
Tower Supermarket, 5461 7th St. Keyes.....	667-0800
Universal Service Recycling, Inc., 570 S. 9th St. Ceres.....	622-4040
A&S Metals, 1616 Angelo Way, Modesto.....	537-4766
American Recycling, 2070 Morgan Rd. Modesto.....	537-4410
Cen Cal Recycling, 236 Santa Cruz Ave. Modesto.....	549-9911
EAC Recycling, 1424 Carver Rd. Modesto.....	300-4814
EAC Recycling, 2805 Earl St. Modesto.....	300-4814
Go Green Recycling, 2413 Yosemite Blvd. Modesto.....	578-5887
Iron Valley Metals, 1248 Reno Ave. Modesto.....	529-7878
JL Recycling, 2101 Rumble Rd. Modesto.....	513-3797
Modesto Junk, 1425 9th St. Modesto.....	522-1435
NexCycle, 3900 Pelendale Ave. Modesto.....	1-800-969-2020
RePlanet, 3430 Tully Rd. Modesto.....	877-737-5263
S&D Recycling, 1149 Kansas Ave. Modesto.....	572-0942
Star Recycling, 2031 Crows Landing Rd., 3801 Yosemite Blvd. 2221 Scenic Drive, 3456 McHenry Ave, 448 Paradise Rd. Modesto	
Target, 3405 McHenry Ave. Modesto.....	572-3341
Target, 3900 Sisk Rd. Modesto.....	543-9561
TCOB Recycling, 903 Jefferson St. Modesto.....	818-5523
RePlanet, 1945 N St. Newman.....	877-737-5263
Mid Valley Recycling, 107 S. 2nd St. Patterson.....	559-706-3973
TCOB Recycling, 10143 Grayson Rd. Patterson.....	620-5796
Maria's Recycling, 21813 Hwy 33, Crows Landing.....	303-4662
RePlanet, 6331 Oakdale Rd. Riverbank.....	877-737-5263
Riverbank Recycling, 2780 Patterson Rd. Riverbank.....	863-8641
Target, 2425 Claribel Rd. Riverbank.....	863-8641
Go Green Recycling, 4931 Cloutier Rd. Salida.....	545-4560
Escobar Recycling, 954 W. Main St. Turlock.....	669-2500
Go Green Recycling, 1600 McCormick St. Turlock.....	667-7766
NexCycle, 2900 Geer Rd. Turlock.....	1-800-969-2020
Target, 3000 Countryside Dr. Turlock.....	632-0132
USA Recycling, 420 C St. Turlock.....	664-6060
RePlanet, 12138 Yosemite Blvd. Waterford.....	800-266-2453

Plastics - Buy back or drop-off

Oakdale Recycling, 1477 South Yosemite Avenue, Oakdale.....	847-8401
Patterson Recycling 401 N. 1st St. Patterson.....	892-1927
Turlock Recycling, 1020 South Walnut Avenue, Turlock	668-6060
Ceres Recycling, 3940 Moffett Road, Ceres	541-0711
Central Valley Recycling, 424 South 9th Street, Modesto	544-1578
Central Valley Recycling, 420 'C' Street, Turlock	632-4847
Avila Recycling/La Sequoia Market, 2000 Central Ave., Ceres	537-2761

Tower Supermarket, 5461 7th St., Keyes.....	667-0800
Universal Service Recycling, Inc., 570 S. 9th St. Ceres.....	622-4040
A&S Metals, 1616 Angelo Way, Modesto.....	537-4766
American Recycling, 2070 Morgan Rd. Modesto.....	537-4410
Cen Cal Recycling, 236 Santa Cruz Ave. Modesto.....	549-9911
EAC Recycling, 1424 Carver Rd. Modesto.....	300-4814
EAC Recycling, 2805 Earl St. Modesto.....	300-4814
Go Green Recycling, 2413 Yosemite Blvd. Modesto.....	578-5887
Iron Valley Metals, 1248 Reno Ave. Modesto.....	529-7878
JL Recycling, 2101 Rumble Rd. Modesto.....	513-3797
Modesto Junk, 1425 9th St. Modesto.....	522-1435
NexCycle, 3900 Pelendale Ave. Modesto.....	1-800-969-2020
RePlanet, 3430 Tully Rd. Modesto.....	877-737-5263
S&D Recycling, 1149 Kansas Ave. Modesto.....	572-0942
Star Recycling, 2031 Crows Landing Rd. 3801 Yosemite Blvd. 2221 Scenic Drive, 3456 McHenry Ave, 448 Paradise Rd. Modesto	
Target, 3405 McHenry Ave. Modesto.....	572-3341
Target, 3900 Sisk Rd. Modesto.....	543-9561
TCOB Recycling, 903 Jefferson St. Modesto.....	818-5523
RePlanet, 1945 N St. Newman.....	877-737-5263
Mid Valley Recycling, 107 S. 2nd St. Patterson.....	559-706-3973
TCOB Recycling, 10143 Grayson Rd. Patterson.....	620-5796
Maria's Recycling, 21813 Hwy 33, Crows Landing.....	303-4662
RePlanet, 6331 Oakdale Rd. Riverbank.....	877-737-5263
Riverbank Recycling, 2780 Patterson Rd. Riverbank.....	863-8641
Target, 2425 Claribel Rd. Riverbank.....	863-8641
Go Green Recycling, 4931 Cloutier Rd. Salida.....	545-4560
Escobar Recycling, 954 W. Main St. Turlock.....	669-2500
Go Green Recycling, 1600 McCormick St. Turlock.....	667-7766
NexCycle, 2900 Geer Rd. Turlock.....	1-800-969-2020
Target, 3000 Countryside Dr. Turlock.....	632-0132
USA Recycling, 420 C St. Turlock.....	664-6060
RePlanet, 12138 Yosemite Blvd. Waterford.....	800-266-2453

*Call for types of plastics accepted. Remove lids from containers. To recycle plastic shopping bags, return to supermarket or drug store. The curbside recycling programs in the cities of Ceres, Newman and Patterson accept plastic shopping bags for recycling.

Paper — Buy back or drop-off

Includes: white paper, computer paper, cardboard, magazines & newspaper.

Oakdale Recycling, 1477 South Yosemite Avenue, Oakdale.....	847-8401
A&S Metals 1616 Angelo Way, Modesto.....	537-4766
American Mobile Shredding, 325 River Rd., Modesto.....	491-2323
American Recycling, 2070 Morgan Rd., Modesto.....	537-4410
Central Valley Recycling, 524 S. 9 th , Modesto –Cardboard Only.....	544-1578
Go Green Recycling, 2413 Yosemite Blvd., Modesto – Cardboard Only.....	578-5887

Modesto Junk Company, 1425 9th St., Modesto – Cardboard Only.....522-1435
 S+D Recycling, 1149 Kansas Ave., Modesto – Cardboard Only.....572-0942

Ferrous Metals— Buy back or drop-off

STEEL, IRON and SCRAP

A&S Metals, 1616 Angelo Way, Modesto.....537-4766
 Modesto Junk, 1421 Ninth Street, Modesto.....522-1435
 Jim Newall’s Iron and Metal, 228 Empire Ave, Modesto.....402-8420
Avila Recycling/La Sequioa Market, 2000 Central Ave. Ceres.....537-2761
Tower Supermarket, 5461 7th St. Keyes.....667-0800
Universal Service Recycling, Inc., 570 S. 9th St. Ceres.....622-4040
 A&S Metals, 1616 Angelo Way, Modesto.....537-4766
 American Recycling, 2070 Morgan Rd. Modesto.....537-4410
 Cen Cal Recycling, 236 Santa Cruz Ave, Modesto.....549-9911
 Go Green Recycling, 2413 Yosemite Blvd. Modesto.....578-5887
 Iron Valley Metals, 1248 Reno Ave. Modesto.....529-7878
 JL Recycling, 2101 Rumble Rd. Modesto.....513-3797
 NexCycle, 3900 Pelendale Ave. Modesto.....800-969-2020
 RePlanet, 3430 Tully Rd. Modesto.....877-737-5263
 Royal Recycling, 210 El Roya Ave.,Modesto.....526-2476
 S+D Recycling, 1149 Kansas Ave. Modesto – Cardboard Only.....572-0942
 Star Recycling, 2031 Crows Landing Rd., 2456 McHenry Ave., 448 Paradise Rd., Modesto
 TCOB Recycling, 903 Jefferson St. Modesto..... 818-5523
The New Tin Yard, 623 Kansas Ave, Modesto, www.thenewtinyard.com..... 522-6456
Zaff’s Scrap Metal, 571 S. 9th St. Modesto..... 522-9233
 RePlanet, 1945 N St. Newman, www.RePlanetUSA.com877-737-52633
 Mid Valley Recycling, 107 S. 2nd St. Patterson.....559-706-3973
 Patterson Recycling, 401 N 1st St. Patterson.....892-1917
 RePlanet, 6331 Oakdale Rd. Riverbank, www.RePlanet.com 877-737-5263
 Riverbank Recycling, 2780 Patterson Rd. Riverbank.....863-8641
 Oakdale Recycle Center, 1477 S. Yosemite Ave. Oakdale.....847-8401
 Go Green Recycling, 4931 Cloutier Rd. Salida, www.ggreycling.net.....545-4560
 Central Valley Recycling, 291 5th St. Turlock.....632-4847
 Go Green Recycling, 1600 McCormick St. Turlock, www.ggreycling.net.....667-7766
 Turlock Recycling, 1020 S. Walnut Rd. Turlock, www.turlockscavenger.com.....668-6060
 USA Recycling, 420 C St., Turlock, www.usarecyclingcompany.com.....664-0479
 RePlanet, 12138 Yosemite Blvd., Waterford, www.RePlanetUSA.com.....800-266-2453

Non-Ferrous Metals – Buy-back and Drop-Off

Tin, Aluminum, Copper, Brass

Avila Recycling/La Sequioa Market, 2000 Central Ave., Ceres.....537-2761
 Ceres Recycling Center, 3940 Moffett Rd. Ceres, www.ceresrecyclingcenter.com.....541-0711
Tower Supermarket, 5461 7th St. Keyes.....667-0800
Universal Service Recycling, Inc., 570 S. 9th St. Ceres.....622-4040
 A&S Metals, 1616 Angelo Way, Modesto.....537-4766
 American Recycling, 2070 Morgan Rd. Modesto.....537-4410

Cen Cal Recycling, 236 Santa Cruz Ave. Modesto.....	549-9911
Central Valley Recycling, 524 S. 9 th St., Modesto, www.centralvalleyrecycling.com	544-1578
EAC Recycling, 1424 Carver Rd., Modesto (CRV cans only).....	300-4814
EAC Recycling, 2805 Earl St. Modesto (CRV cans only).....	300-4814
Go Green Recycling, 2413 Yosemite Blvd., Modesto.....	578-5887
Iron Valley Metals, 1248 Reno Ave. Modesto.....	529-7878
Jim Newell’s Iron & Metal, 228 Empire Ave., Modesto, www.jnmetals.com	402-8420
JL Recycling, 2101 Rumble Rd. Modesto.....	513-3797
Modesto Junk Company, 1425 9th St. Modesto, www.modestojunk.com.....	522-1435
NexCycle, 3900 Pelendale Ave. Modesto.....	1-800-969-2020
RePlanet, 3430 Tully Rd. Modesto.....	877-737-5263
Royal Recycling, 210 El Roya Ave. Modesto.....	526-2476
S+D Recycling, 1149 Kansas Ave. Modesto – Cardboard Only.....	572-0942
Star Recycling, 2031 Crows Landing Rd., 2456 McHenry Ave., 448 Paradise Rd., Modesto (CRV cans only)	
Target, 3405 McHenry Ave. Modesto (CRV cans only)	572-3341
Target 3900 Sisk Rd. Modesto (CRV cans only)	543-9561
TCOB Recycling, 903 Jefferson St. Modesto (CRV cans only).....	818-5523
The New Tin Yard, 623 Kansas Avenue, Modesto	524-6456
Maria’s Recycling, 21813 Hwy 33, Crow Landing (CRV cans only).....	303-4662
RePlanet, 1945 N St. Newman, www.RePlanetUSA.com.....	877-737-5263
Mid Valley Recycling, 107 S. 2nd St. Patterson.....	559-706-3973
Patterson Recycling, 401 N 1st St. Patterson.....	892-1917
RePlanet, 6331 Oakdale Rd. Riverbank, www.RePlanet.com.....	877-737-5263
Riverbank Recycling, 2780 Patterson Rd. Riverbank.....	863-8641
Target, 2425 Claribel Rd. Riverbank (CRV cans only).....	863-1270
Oakdale Recycling, 1477 South Yosemite Avenue, Oakdale.....	847-8401
Go Green Recycling, 4931 Cloutier Rd. Salida, www.ggreycling.net.....	545-4560
Central Valley Recycling, 291 5th St. Turlock.....	632-4847
Escobar Recycling, 954 W. Main St. Turlock (CRV cans only)	
Go Green Recycling, 1600 McCormick St. Turlock, www.ggreycling.net.....	667-7766
NexCycle, 2900 Geer Rd. Turlock (CRV cans only)	1-800-969-2020
Target, 3000 Countryside Dr., Turlock (CRV cans only).....	632-0132
Turlock Recycling, 1020 South Walnut Avenue, Turlock	668-6060
USA Recycling, 420 C St. Turlock, www.usarecyclingcompany.com.....	664-0479
RePlanet, 12138 Yosemite Blvd. Waterford, www.RePlanetUSA.com.....	800-266-2453

Construction and Demolition, C&D Waste

Please call for hours of operation

Lumber, Brush

Recology Grover Environmental Products, 6131 Hammett Road, Modesto..... 545-8874

Central Valley Ag Grinding, 300 Codoni Ave. Modesto..... 869-1721

Construction and Demolition, C&D Waste

Please call for hours of operation

Concrete, Bricks, Building Materials, Sheetrock, Asphalt, Windows



SITING ELEMENT

NOVEMBER 1995
Updated October 2004
Updated October 2007
Updated June 2011
Updated June 2016

STANISLAUS COUNTY CIWMP FIVE-YEAR REPORT ADDENDA TO THE SITING ELEMENT

SITING ELEMENT

- Update Chapter 3, Section 3.1.1, update the disposal capacity of Fink Road Landfill as of January 1, 2016.
- Update Chapter 3, Section 3.1.2, update the anticipated capacity needs projection for both Class II and Class LLL landfill capacity, Tables 3-3 through 3-6.
- Update Chapter 3, Section 3.1.2, update plan to achieve 15+ years Landfill capacity.
- Update Chapter 4, Section 4.1.1, update the estimated life of the Landfill based on disposal capacity.
- Update Chapter 4, Section 4.1.1, update next permit review and date of last review for the Covanta facility.
- Update Chapter 9, Section 9.1.1, update Board of Supervisors, Decision-making Authority chart.
- Update Chapter 9, Section 9.1.2, Table 9-2, Update start and end dates to reflect “to be determined”.

Remaining as of January 1, 2016

TABLE 3-1 (To be completed by SW)
DISPOSAL CAPACITY AS OF JANUARY 1, 2016

DISPOSAL FACILITY	ESTIMATED CAPACITY		
	Cubic Yards	Tons	No. of Years
Fink Road Landfill, Class III*	5,008,084	2,504,042	14
Bonzi Landfill (INACTIVE)	-	-	-
Total Class III	5,008,084	2,504,042	14
Fink Road Landfill, Class II (ash)	1,952,044	976,022	25+

Note: Conversion factor of 2.0 cubic yards/ton, where 1.3 cubic yards is attributable to waste and 0.7 cubic yards is attributable to cover material.
 *Combustion ash has a conversion factor of 1.0 cubic yards per ton.
 *Source: Stanislaus County Department of Environmental Resources, from the Fink Road Landfill Quarterly Summary of Disposal Report

It should be noted that a 15-year projection of the remaining countywide disposal capacity is part of the anticipated capacity needs projection shown in Table 3-3 below. Although not reflective of the remaining landfill disposal capacity information reflected in Table 3-1, the Covanta of Stanislaus, Inc., (transformation) facility, incinerates a majority of the municipal solid waste which is delivered for disposal, significantly extending landfill life expectancy in Stanislaus County. A more detailed description of this facility is found within Chapter 4 of this document.

3.1.2 ANTICIPATED DISPOSAL CAPACITY NEEDS

Each countywide Siting Element must demonstrate that there is sufficient combined disposal capacity to meet waste disposal needs for a minimum of 15 years. To demonstrate whether the required 15 years of permitted disposal capacity exists, the total waste requiring disposal from each member jurisdiction, beginning in the year the Siting Element is prepared or revised, must be shown for each year of the 15-year period. In conclusion, the Element should indicate whether or not more capacity is needed than exists. Disposal capacity needs must be presented both in cubic yards and tons, and the weight-to-volume conversion factors should be described.

Anticipated capacity needs projections for both Class II (combustion ash) and III disposal are found in Tables 3-3 through 3-6, following, in both cubic yards and tons, and are reflective of remaining capacity for the quarter ending December 31, 2015. Within these Tables, the figures used to develop these projections were taken from the following source: The Stanislaus County Fink Road Landfill Quarterly Summary of Disposal Report.

TABLE 3 - 3

K ROAD LANDFILL # 50-AA-0001
 ASS III PORTION

SOLID WASTE DISPOSAL FACILITY NEEDS PROJECTION

Owner and Operator: Stanislaus County

All values are in tons*

	Year Ending December 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Remaining Capacity - Landfill No. 2	3,102,268	3,012,268	2,922,268	2,822,268	2,672,268	2,519,268	2,363,208	2,204,026	2,041,661	1,876,049	1,707,125	1,534,822	1,359,073	1,179,809	996,960	810,454
Reported / Projected Disposal	87,029	90,000	100,000	150,000	153,000	156,060	159,181	162,365	165,612	168,924	172,303	175,749	179,264	182,849	186,506	190,236

TABLE 3 - 4

K ROAD LANDFILL # 50-AA-0001

CLASS III PORTION

SOLID WASTE DISPOSAL FACILITY NEEDS PROJECTION

Owner and Operator: Stanislaus County

All values are in cubic yards*

	Year Ending December 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Remaining Capacity - Landfill No. 2	6,204,938	6,024,535	5,844,535	5,644,535	5,344,535	5,038,535	4,726,415	4,409,053	4,083,323	3,752,099	3,414,250	3,069,644	2,718,145	2,359,619	1,993,920	1,620,908
Reported / Projected Disposal	174,058	180,000	200,000	300,000	306,000	312,120	318,362	324,730	331,224	337,849	344,606	351,498	358,528	365,698	373,012	380,473

*Conversion factor of 2.0 cubic yards per ton.

TABLE 3 - 5

K ROAD LANDFILL # 50-AA-0001

CLASS II PORTION

SOLID WASTE DISPOSAL FACILITY NEEDS PROJECTION

FOR COMBUSTION ASH

Owner and Operator: Stanislaus County

All values are in tons*

	Year Ending December 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Remaining Capacity - Landfill No. 3	2,179,465	2,404,465	2,329,465	2,254,465	2,179,465	2,104,465	2,029,465	1,954,465	1,879,465	1,804,465	1,729,465	1,654,465	1,579,465	1,504,465	1,429,465	1,354,465
Reported / Projected Disposal	73,940	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000

*Conversion factor of 1.0 cubic yard per ton.

TABLE 3 - 6

K ROAD LANDFILL # 50-AA-0001

ASS II PORTION

SOLID WASTE DISPOSAL FACILITY NEEDS PROJECTION

FOR COMBUSTION ASH

Owner and Operator: Stanislaus County

All values are in cubic yards*

	Year Ending December 2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Remaining Capacity - Landfill No. 3	4,883,930	4,863,930	4,808,930	4,733,930	4,658,930	4,583,930	4,508,930	4,433,930	4,358,930	4,283,930	4,208,930	4,133,930	4,058,930	3,983,930	3,908,930	3,833,930
Reported / Projected Disposal	73,940	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000

*conversion factor of 1.0 cubic yard per ton.

Based upon the above information, Stanislaus County **currently does not have 15 years existing disposal capacity, however, it should be noted that the county is in the process of obtaining a Solid Waste Facility Permit to move forward with a vertical expansion project at its Landfill.** It should also be recognized that maximization of the efficient use of the waste-to-energy (transformation) facility may impact the remaining Class II landfill capacity, and therefore, the projections as shown in Tables 3-5 and 3-6. At each interval when revised projections are required to be prepared, the county will use the most accurate and current information available to predict remaining capacity.

3.1.3 AREAS ENVISIONED FOR EXPANSION OR SITING OF NEW DISPOSAL FACILITIES

It is necessary to select areas where new or expanded solid waste disposal facilities are planned to assist the county and its nine incorporated cities in meeting their need for the required 15-year minimum disposal capacity, or where additional capacity is desired. Member jurisdictions of the county shall consider the following when determining the appropriate size of disposal facility sites:

1. The total amount of solid waste generated, in cubic yards and tons for the 15-year period;
2. The remaining combined permitted capacity at the time the Siting Element is prepared, both in cubic yards and tons for the 15-year period; and
3. An estimate of the total disposal capacity in cubic yards and tons that is needed to meet the required 15 years of combined permitted disposal capacity.

Identification of Areas Envisioned for Expansion

Based upon the recommendations of the Siting Element Steering Committee and the Local Task Force, through the use of the goals and policies established in Chapter 2 and the siting criteria and process described in Chapter 5, an area to the west and south of the existing Fink Road Landfill will be reserved for the possible future development of a landfill expansion. The above described criteria were utilized in the development of this recommendation.

Detailed information regarding this proposed facility expansion is found within Chapter 6 of this document.

Identification and Description of Areas Envisioned for New Facilities

Based upon the recommendations of the Siting Element Steering Committee and the Local Task Force, reserved area for the possible future expansion of the Fink Road Landfill has been chosen as the preferred option at this time, rather than the establishment of new solid waste disposal

CHAPTER 4 EXISTING SOLID WASTE DISPOSAL FACILITIES

4.0 SUMMARY OF REQUIREMENTS

This chapter shall identify each solid waste disposal facility within the county that has a Solid Waste Facility Permit. Each facility shall be described in terms of name of owner, operator, facility permit number, permitted capacity and permitted waste types. A map showing the location must also be included.

4.1 SPECIFIC REQUIREMENTS

The specific requirements for the content of this chapter are contained in the California Code of Regulations (CCR) Section 18755.5(a) and (b).

4.1.1 DESCRIPTION OF EXISTING SOLID WASTE DISPOSAL FACILITIES

The following consists of a description of the existing solid waste disposal facilities within Stanislaus County:

A. Facility Name: Fink Road Landfill, 4000 Fink Road, Crows Landing, CA

Facility Owner and Operator: Owner: Stanislaus County; Operator: Stanislaus County Department of Environmental Resources

Solid Waste Facility Permit Number: 50-AA-0001

Permit Expiration (Review) Date: August 17, 2017

Date of Last Permit Review: August 17, 2007

Estimate of Remaining Site Life, Based on Disposal Capacity: Class III disposal area: Estimate **14** years (based upon an estimate of total remaining disposal capacity of **5,008,084** cubic yards, as of December 31, 2015); Class II disposal area: Estimate **25+** years (based upon an estimate of total remaining disposal capacity of **1,952,044** cubic yards, as of December 31, 2015).

Maximum Permitted Rate of Waste Disposal: Daily: 2,400 tons (4,800 cubic yards, @ 2.0 cubic yards per ton where 1.3 cubic yards is attributable to waste and 0.7 cubic yards is attributable to cover material). These figures include the Class II disposal area for the combustion ash from the transformation facility.

Annual: 558,000 tons, based upon 310 operating days (1,116,000 cubic yards, based upon an annual average of 1,800 tons per operating day). Figures were converted as stated above.

Average Rate of Daily Waste Receipt: 140 tons (municipal solid waste, 182 cubic yards, based upon 1.3 cubic yards of waste per ton); 220 tons combustion ash (220 cubic yards, based upon a 1.0 conversion factor).

Permitted Waste Types: The Class III disposal area is permitted to accept non-hazardous municipal solid waste, non-friable asbestos containing waste, leachate from a leachate collection and recovery system (LCRS) if discharged to a surface impoundment designed and approved for that purpose, leachate from surface impoundment if approved by the Regional Water Quality Control Board and returned to a unit designed with a composite liner and LCRS, tires, street refuse, small dead animals, construction and demolition debris, commercial and industrial waste, wastewater and water treatment plant solids, ashes from household fireplaces and stoves and agricultural waste. The Class II disposal area is permitted to accept combustion ash from Covanta Stanislaus, Inc. (the transformation facility).

Expected Land Use for any Site Being Closed or Phased Out Within the 15-year Planning Period: It is not anticipated that this site will be closed or phased out within the 15-year planning period.

- B. Facility Name: (Inactive) Bonzi Sanitation Landfill, 2650 W. Hatch Road, Modesto, CA

Facility Owner and Operator: Owner: Ma-Ru Holding Company, Inc.; Operator: Bonzi Sanitation Landfill, Inc.

Solid Waste Facility Permit Number: 50-AA-0003

- C. Facility Name: Covanta Stanislaus, Inc., a waste-to-energy transformation facility, (immediately adjacent to the Fink Road Landfill at) 4040 Fink Road, Crows Landing, CA

Facility Owner and Operator: Owner and operator: Covanta Stanislaus, Inc. is a wholly owned subsidiary of Covanta Energy Corporation, NJ.

Solid Waste Facility Permit Number: 50-AA-0009

Permit Expiration (Review) Date: **April 25, 2016**

Date of Last Permit Review: **April 25, 2011**

Estimate of Remaining Site Life, Based on Disposal Capacity: N/A

Maximum Permitted Rate of Waste Disposal: No disposal is done on this site. All ash is disposed at the Fink Road Landfill daily: 1,700 tons (2,210 cubic yards, @

STANISLAUS COUNTY
Board of Supervisors, Decision-making Authority

William O'Brien
 Supervisor,
 District No. 1

Vito Chiesa
 Supervisor,
 District No. 2

Terry Withrow
 Supervisor,
 District No. 3

Dick Monteith
 Supervisor,
 District No. 4

Jim DeMartini
 Supervisor,
 District No. 5

CHIEF EXECUTIVE OFFICER

Stan Risen

LOCAL TASK FORCE (LTF)

Supervisor Terry Withrow, Chairperson

Serving the Role of Guiding the Development of the Siting Element through:

- Goal Establishment
- Policy Establishment
- Procedure Establishment
- Advising the County and its Nine Local Cities on Solid Waste Management and Planning Issues if Countywide Concern

DEPARTMENT OF ENVIRONMENTAL RESOURCES

Jami Aggers, Director

County Landfill Operation and Development

Countywide Solid Waste Disposal Facility Siting Program

- Siting Element Presentation
- Environmental Review
- Serve as Staff to the Local Task Force
- Coordinated the Establishment of the Steering Committee

9.1.2 IMPLEMENTATION SCHEDULE

An implementation schedule shall be included herein which identifies any and all tasks which will be necessary to achieve the goals which were identified in Chapter 2 of this document.

The implementation schedule which is specific to the referenced goals is found in Chapter 2 as Table 2-1. Implementation of these tasks will be administered by the Stanislaus County Department of Environmental Resources. The additional tasks, however, which will be necessary to complete the implementation of this solid waste disposal facility siting program, are identified in Table 9-2. Implementation of the tasks identified in Table 9-2 will be administered by the Stanislaus County Department of Environmental Resources.

<p style="text-align: center;">TABLE 9-2 IMPLEMENTATION SCHEDULE <i>for the</i> SOLID WASTE DISPOSAL FACILITY SITING PROGRAM</p>		
Facility Task	Start Date	End Date
Obtain appraisals and feasibility study for property recommended for tentative reservation	July 1995	October 1995
Approach property owners and commence negotiations for property purchase	November 1995	December 1995
Secure purchase option for property	January 31, 1996	April 1996
Environmental Review	September 1996	March 1997
Permitting	April 1997	April 1998
Facility Design	To be determined	To be determined
Facility Construction	To be determined	To be determined
Full Operation	To be determined	To be determined

9.1.3 REVENUE SOURCES

Lastly, this chapter shall identify the revenue sources sufficient to support the administration and



SOURCE REDUCTION AND RECYCLING ELEMENT

NOVEMBER 1995
Updated October 2004
Updated October 2007
Updated June 2011
Updated June 2016

STANISLAUS COUNTY CIWMP FIVE-YEAR REPORT ADDENDA TO THE SOURCE REDUCTION RECYCLING ELEMENT

SOURCE REDUCTION AND RECYCLING ELEMENT

- Chapter 2, Section 2.1.1, update Table 2-1 Population Data.
- Chapter 2, Section 2.2.8, update waste diversion activities.
- Chapter 2, Section 2.2.8, updates certified recycling centers, thrift stores and transfer stations.
- Chapter 4, Section 4.2.1, update in the private certified recycling centers, inert material recycling, wood chipping/shredding, transfer stations and scrap metal recycling in county.
- Chapter 4, Section 4.2.1, update refuse haulers, curbside recycling in county and government office recycling.
- Chapter 4, Section 4.2.1, update construction and demolition recyclers within the county.
- Chapter 4, Section 4.2.1, update scrap metal recyclers within the county.
- Chapter 4, Section 4.2.5, update Recycling Market Development Zone (RMDZ) description.
- Chapter 4, Section 4.2.6, update current can options for consumer incentives.
- Chapter 4, Section 4.2.7, update education methods.
- Chapter 4, Section 4.3, update corrugated to corrugated paper.
- Chapter 4, Section 4.3, update Department of Environmental Resources paper recycling program.
- Chapter 4, Section 4.3, update implementation costs.
- Chapter 4, Section 4.3, update number of transfer stations and manual sorting facilities.
- Chapter 4, Section 4.3, update CalRecycle from California Integrated Waste Management Board (CIWMB).
- Chapter 4, Section 4.3.3, update RMDZ program information.
- Chapter 4, Section 4.3.4, update reduced service.

- Chapter 4, Section 4.3.4, update advertising to market development.
- Chapter 4, Section 4.5.3, update revenue source for cities as per change in MOU's.
- Chapter 6, Section 6.2.10, update Covanta Stanislaus.
- Chapter 6, Section 6.2.10, update year and amount of diverted ash.
- Chapter 6, Section 6.2.16, update year and amount of diverted tires.
- Chapter 8, Section 8.1.1, update one Landfill.
- Chapter 8, Section 8.1.1, update Environmental Resources.
- Chapter 8, Section 8.1.1, update permitted capacity and estimated closure date of Landfill.
- Chapter 8, Section 8.1.1, Table 8-1, update disposal fees.
- Chapter 8, Section 8.1.1, update estimated remaining capacity and closure date of Landfill.
- Chapter 8, Section 8.1.3, update Covanta.
- Chapter 8, Section 8.1.3, update disposal cost per ton.

County. These figures are reported monthly to the Stanislaus County Department of Environmental Resources. Additionally, individual jurisdictions maintain specific tonnage records in most instances. Where available, these figures were used in combination with permitted solid waste facility data. Current and estimated population figures were furnished by Stanislaus County Economic Development Corporation and the Stanislaus Area Association of Governments, as follows:

TABLE 2-1
 POPULATION DATA, STANISLAUS COUNTY

JURISDICTION	2010	¹ <u>2015</u>	(Average) ANNUAL INCREASE
Ceres	45,417	46,989	3.46%
Hughson	6,640	7,222	8.77%
Modesto	201,165	209,186	3.99%
Newman	10,224	10,753	5.17%
Oakdale	20,675	21,773	5.31%
Patterson	20,413	21,094	3.34%
Riverbank	22,678	23,485	3.56%
Turlock	68,549	71,043	3.64%
Waterford	8,456	8,686	2.72%
Unincorporated	110,236	112,066	1.66%
TOTAL	514,453	532,297	4.16%

2015 Population data provided by Stanislaus County Department of Finance accounts for January 1, 2014 to January 1, 2015. Actual population not available until May 2016.

A 15 year projection of the **total** quantity of waste disposed under current conditions (on a year-by-year basis) is found in Table 2-2*.

A 15 year projection of the **total** quantity of wastes transformed under current conditions (on a year-by-year basis) is found in Table 2-3*.

*Note: The following Special Waste types were considered during the Initial Waste Generation Study, although no significant quantities were detected, therefore, the following tables reflect "0"

2.2.8 IDENTIFYING SOURCES, CATEGORIES AND TYPES

All 10 jurisdictions within Stanislaus County have access to and utilize the following types of waste diversion activities: drop-off and buy-back centers, thrift stores, scrap metal and inert material recycling and waste reduction programs which include tire retreading, appliance repair, food banks, cloth diaper usage and commercial recycling/source reduction activities.

Additional jurisdiction-specific waste diversion activities currently utilized by the County of Stanislaus include transfer station salvaging, source reduction grass (mowed and left in place), curbside recycling, **greenwaste and organics recycling** and industrial recycling/source reduction.

The solid waste diversion facilities located within Stanislaus County are as follows:

Certified Recycling Centers

Ceres:	Ceres Recycling Center , 3940 S. Moffett Road
Modesto:	American Recycling , 2070 Morgan Road, Modesto RePlanet , 3430 Tully Road A&S Metals, 1616 Angelo Way Modesto Junk Company, 1421 Ninth Street
Oakdale:	Oakdale Recycling, 1477 S. Yosemite Avenue
Turlock:	NexCycle , 2900 Geer Road 20/20 Recycle Center, 701 N. Golden State Calif. Recycling Ent., 1631 Lander Avenue Central Valley Recycling, 420 "C" Street Turlock Recycling, 1020 S. Walnut Road
Waterford:	20/20 Recycle Center, 120 "F" Street
County:	ARC (Production Unlimited), 213 Empire Avenue, Modesto Central Valley Recycling, 524 S. Ninth Street, Modesto Modesto Recycling, 2769 W. Hatch Road, Modesto Ceres Recycling Center, 2635 E. Service Road, Ceres

Recycling Drop-off Centers

Oakdale:	Kiwanis Recycling Drop-off Center, 4 th & "J" Streets
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Newspaper Drop-off Centers

Modesto:	Boy Scouts, 1324 Celeste Drive
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Inert Material Recycling

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County: Gilton Resource Recovery, 800 S. McClure Road, Modesto
Modesto Sand & Gravel, 6139 Hammet Road, Modesto

Thrift Stores

Hughson: HCS Thrift Shop, 6818 Hughson Avenue

Modesto: American Cancer Society, 1801 "H" Street
Christian Berets, 1325 Yosemite Boulevard
Goodwill, 102 S. Santa Cruz Avenue
Larc Thrift Shop, 108 S. Santa Cruz Avenue
Salvation Army, 1101 Seventh Street

Newman: Re Use 33, 1445 Main St.

Oakdale: Salvation Army, 120 E. "F" Street

Patterson: St. Vincent de Paul Thrift Store, 210 "D" Street

Turlock: Emanuel Medical Center, 601 E. Main Street
Goodwill, 300 E. Main Street
Sacred Heart Thrift Shop, 1388 East Avenue

County: Cerebral Palsy Thrift Shop, 1637 Crows Landing Road, Modesto

Transfer Stations

Turlock: Turlock Transfer, 1100 S. Walnut Road
County: **Bertolotti Disposal**, 231 Flamingo Drive, Modesto
Gilton Resource Recovery, 800 S. McClure Road, Modesto

Food Banks

Oakdale: Oakdale Christian Food Sharing, 579 Center Street
Riverbank: Riverbank Christian Food sharing, First & High Streets
County: Interfaith Ministries, 120 Kerr Avenue, Modesto

Tire Retreading

Ceres: McCoy's In Ceres, 3005 S. Central Avenue
Riverbank: Hub Services, 2772 Patterson Road
County: McCoy Truck Tire Service, 1407 Lone Palm Avenue, Modesto

Used Appliance Repair

Modesto: Appliance Alternative, 1507 Ninth Street
C&M Electrical & Appliance, 4946 Yosemite Boulevard

County: Paul's Refrigeration & Appliance, 1333 Bangs Avenue, Modesto

Scrap Metals*

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November 1995

collects the paper for recycling on a weekly basis. The participating departments regularly recycle computer and mixed office paper, corrugated paper, cardboard, newspaper, telephone books and magazines. Work areas have been provided under desk recycling containers for convenience. Collected paper is taken to a facility for recycling.

Several other county departments collect CRV containers for redemption. Proceeds from these recycled items are typically donated to local non-profits or used to fund employee centered events.

Procurement Program

Discussed in Section 4.2.4.

Construction Standards

Through an environmental review process prior to permit issuance, the Department of Environmental Resources recommends that adequate space be provided for recycling activities in multi-family, commercial and industrial projects to mitigate potential negative impacts related to solid waste issues.

Additional private recycling facilities or activities within the county include:

Certified Recycling Centers:

- | | |
|----------|---|
| Ceres: | Ceres Recycling Center 3940 S. Moffett Road
Escobar Recycling, 2000 Central Ave.
Star Recycling, 1460 Mitchell Rd. |
| Hughson: | Dos Palos Recycling Co., 6719 Hughson Ave. |
| Modesto: | A&S Metals, 1616 Angelo Way
Modesto Junk Company, 1421 Ninth Street
American Recycling Company LLC, 2070 Morgan Rd.
Gilton Resource Recovery Transfer Facility, Inc. 800 S. McClure Rd.,
Universal Services Recycling, Inc. 570 9th St.
Western Strategic Materials, 2960 Farrar Ave.
Cen Cal Recycling, 236 S. Santa Cruz Ave., Ste. 1
Go Green Recycling, Inc., 2413 Yosemite Blvd.
United Cerebral Palsy Assoc., 4265 Spyres Way, #2
Alejandra's Recycling Center, 1400 Coffee Rd.
Baeza Recycling, 1500 Dallas St.
Industrial Auto Core Recycling, 521 Winmoore Way
S&D Recycling, 1149 Kansas Ave.
Central Valley Recycling, 524 S. 9th St.
Star Recycling Co., 448 Paradise Rd.
Star Recycling Co., 3459 McHenry Ave.
Star Recycling Co., 3801 Yosemite Blvd.
Star Recycling Co., 2221 Scenic Rd.
Dos Palos Recycling Co., 2031 Crowslanding Rd. |

JL Recycling, 2101 W. Rumble Rd.

- Oakdale: **Oakdale Recycling, 1477 S. Yosemite Avenue**
Rodriguez Recycling, 1362 E. F St.
Rodriguez Recycling, 338 N. Yosemite Ave.
- Riverbank: **Riverbank Recycling, 2780 C Patterson Rd.**
- Turlock: **Turlock Recycling, 1020 S. Walnut Road**
Peninsula Plastics Recycling, 530 S. Tegner Rd.
USA Recycling Co., 420 C St.
Escobar Recycling, 954 W. main St.
Central Valley Recycling, 291 5th St.
Yonan's Recycling Services, 140 20th Century Blvd.

Three privately owned transfer stations exist within Stanislaus County which divert ferrous **metals, corrugated paper**, aluminum, glass and PET plastic from their tipping areas to qualified recycling activities. This list of materials will expand as markets develop. Additionally, sheetrock (in some instances) is currently being salvaged but has not yet been diverted. These materials will ultimately be diverted to qualified recycling activities and will contribute toward meeting diversion goals at that time. Large volumes of wood and yard waste are also currently salvaged. These products are ground and diverted to **composting** facilities.

Scrap Metals*

Scrap metal dealers typically purchase all types of ferrous and nonferrous metals and in some cases, auto batteries.

- Ceres: **Ceres Recycling Center, 3940 Moffett Rd**
Universal Service Recycling, Inc., 570 S. 9th St.
- Modesto: **The New Tin Yard, 623 Kansas Avenue**
A&S Metals, 1616 Angelo Way
American Recycling, 2070 Morgan Rd.
Cen Cal Recycling, 236 Santa Cruz. Ave.
Central Valley Recycling, 524 S. 9th St.
Go Green Recycling, 2413 Yosemite Blvd.
Iron Valley Metals, 1248 Reno Ave.
Jim Newell's Iron & Metal, 228 Empire Ave.
Modesto Junk, 1425 9th St.
Royal Recycling, 210 El Roya Ave.
- Patterson: Patterson Recycling, 401 N. 1st St.**
- Riverbank: Riverbank Recycling, 2780 Patterson Rd.**
- Turlock: **Central Valley Recycling, 291 5th St.**
USA Recycling, 420 C St.

*Note: Some were previously listed under certified recycling centers.

Supermarket Corrugated Paper/Cardboard

Throughout the county, high and medium-high volume markets (supermarkets) bale their corrugated paper cardboard, which is taken to a processing facility to be recycled.

4.2.2 QUANTITY DIVERTED FROM EACH ALTERNATIVE

As stated in the Solid Waste Generation Analysis, Section 2.2.5, two basic forms of data were available, specifically, jurisdiction-specific data and countywide data. Waste diversion characterization data was gathered via the mechanisms described in Section 2.2.5, using the best available data. Where jurisdiction-specific data was available, these actual figures were used and are so noted. Where countywide programs existed, each jurisdiction received a portion of the diversion credit equal to their population base, relative to the total county population, where the jurisdiction was determined to participate in the respective program. The County of Stanislaus constituted 27.3% of the overall Stanislaus County population at the time of this study. Totals were reported in tons per year (TPY).

CURBSIDE PROGRAM (Actual measured weights for County of Stanislaus materials)



Material Type	<u>TPY</u>
Aluminum	1.100
Bimetal	8.205
Glass	75.700
Newspaper	260.900
PET	0.700
HDPE	0.500
Mixed Paper	0.800
Magazines	0.900
Corrugated paper	2.800
 TOTAL	 351.605 TPY = 0.23%

Note that this program began July 1, 1990, and therefore, operated for only six months of this calendar year.

*FERROUS METAL RECOVERY AT THE WTE**



0.273 x 8,686.1 = **2,371.30 TPY = 1.57%**

Note: WTE = Waste-to-Energy facility; *Denotes source: Department of Public Works tonnage records.

*INERT MATERIALS**

Concrete & asphalt (crushed and recycled into road base)	17,871.00 + TPY
---	------------------------

*Note: Denotes source: Local operator tonnage records. +Note: A maximum of 16,934.5 TPY is being considered allowable as diversion credit such that diversion does not exceed disposal, and is so noted below. This equates to a contribution of **11.21%, rather than 11.76%**.

*BUY-BACK CENTERS**

<u>Material type</u>	<u>TPY</u>
Corrugated paper (includes chipboard)	
0.273 x 14,968.7 =	4,086.40 ▶
Higrade	
0.273 x 200.3 =	54.70
Mixed Paper	
0.273 x 1,465.1 =	400.00
Ferrous	
0.273 x 221.5 =	60.50
Aluminum	
0.273 x 2,140.5 =	584.40
Glass	
0.273 x 2,317.7 =	632.70
Newspaper	
0.273 x 4,362.6 =	1,191.00
PET	
0.273 x 110.5 =	30.20
HDPE	
0.273 x 12.1 =	3.30
 TOTAL	 7,042.20 TPY = 4.66%

Note: ▶ = Total adjusted slightly to account for rounding during countywide data disaggregation;
 *Denotes source: Department of Environmental Resources (DER) annual mail survey.

*SUPERMARKET CORRUGATED PAPER**

A local supermarket survey was performed which determined that high volume and medium-high volume supermarkets consistently bale their own corrugated paper material, which is later shipped directly out-of-county. The results received for each supermarket category were averaged in tons per day (TPD) as follows:

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JURISDICTION OPERATED

Capital Investment: (Containers, signage, site improvements)	\$5-10,000/site
Operating & Maintenance: (Labor, supplies, transportation, promotion)	\$10-20,000/site/year

JUDISDICTION SPONSORED

Capital Investment: (Containers, assembly, storage)	\$0.71-1.19/hs/mo*
Operating: (Promotion, administrative. Remainder provided by nonprofit organizations)	\$1-4,000 year

*Note: Based on 1991 dollars amortized over seven years, excluding financing costs, depending upon container size

NONPROFIT OR PRIVATE OPERATED

Capital Investment:	\$Privately funded
Administrative Duties (Monitoring):	\$300-600/year

REFUSE COLLECTOR OPERATED

Capital Investment:	\$Privately funded +
Operating & Maintenance:	\$Privately funded +
Administrative Duties (Monitoring):	\$300-600/year

It is assumed that all capital costs would be amortized.

+Note: Ultimately the cost must be borne through some mechanism, either collection rates, container rental rates or similar means unless collection were limited to specific material types which are most readily marketable.

BUY-BACK CENTERS

This alternative, for the County of Stanislaus, involves maintaining existing buy-back recycling facilities within the county, and possibly working with facility operators to expand them, to the establishment of new buy-back facilities. Presently, these facilities are all privately owned and operated and function as small-scale buy-back facilities, whose purchases primary involve CRV materials, to full-scale buy-back facilities, whose purchases span a full range of materials including corrugated paper, computer paper, bimetal cans, etc. This type of facility must be staffed at regular hours and are more labor-and equipment-intensive. Since these businesses depend on revenues from the sale of materials to cover operating costs, it may be undesirable on the part of the jurisdiction to create competition with this private enterprise except in areas where the public does not have reasonable access to a facility.

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Several buy-back facilities exist within Stanislaus County which makes large scale contributions to waste diversion efforts countywide. Typically, 4-7% overall diversion can be realized through this mechanism depending upon accessibility to residents, range of materials accepts, etc. Programs of this nature have the ability to accommodate change in most cases with the addition of containers (provided space is available) and can often utilize existing equipment, such as balers, to bale multiple types of materials. Traffic, potential worker injury and possibly noise are the only known hazards associated with this type of facility and waste stream shifts, as the result of this type of program implementation, would be limited to net reductions for the types of materials collected.

New and expanded building facilities would be required should new or expanded facilities be chosen for implementation, particularly within full-scale buy-back centers but could be implemented in either the short- or medium-term planning period. Consistency with local zoning and land use requirements must be adhered to for siting this type of facility and a permit to operate a recycling facility, from the Department of Environmental Resources, may be required depending upon facility nature and location. As with Drop-off Centers, state Department of Conservation certification is also necessary to assure competitive materials values. This type of program would be designed around materials with established end uses/markets, or where new markets are coming on line, for the diverted materials. Estimated cost to the jurisdiction:

PRIVATE (OR JURISDICTION) OPERATED- NEW FACILITIES

Capital Investment: (Containers, site improvement, permitting, equipment)	\$90-120,000/site
Operating & Maintenance: (Labor, marketing, promotion, supplies, etc.)	\$60-70,000/site/year
Administrative Duties: (When privately operated)	\$300-600/year

EXPANDED EXISTING FACILITIES

Capital Investment:	\$Privately funded
Operating & Maintenance:	\$Privately funded
Administrative Duties: (When privately operated)	\$300-600/year

CURBSIDE PROGRAMS: SINGLE AND MULTI-FAMILY

SINGLE FAMILY

Curbside collection of recyclables maximizes the convenience factor to residents resulting in a significant contribution to overall waste reduction. Typically these programs capture a higher percentage of recyclables than drop-off programs and can accommodate single up through four-plex dwelling units. Method of collection routinely involves one or two person crews using a specially designed or retrofitted vehicle with

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diverted. **Cost savings** may even result since less refuse would be left over for disposal. Throughout Stanislaus County, potential diversion credit is estimated between 0.1-0.5% with variation attributable to the number of sponsored events held within the jurisdiction, types of recyclable materials utilized at such function and the program choices selected.

Programs such as these are consistent with local jurisdiction conditions within Stanislaus County and have the ability to accommodate change in accordance with the jurisdiction's targeted material choices considering new or established end uses/markets. Institutional barriers could include the need for an anti-theft ordinance to deter scavenging. No known hazards are associated with this type of program implementation with the possible exception of potential worker injury. Options presently available to the County of Stanislaus include:

Estimate Cost to the Jurisdiction:

Local Ordinance, Program Design	Estimate: \$1,696 /implementation (\$105 WLR x 16 staff hours)
Containers (Locking totes)	\$60-100/each*

*Note: Depending upon container size

INDUSTRIAL COLLECTION

Industrial solid waste includes waste originating from mechanized manufacturing facilities, construction and demolition debris, publicly operated treatment works and/or solid waste placed in debris boxes. In many cases, waste generated from these types of sources tend to be fairly homogenous and, consequently, offer good opportunities for recycling.

Recycling efforts can make significant contributions to overall waste reduction within a jurisdiction even when limited to the construction/demolition (C&D) stream where industry does not exist. Because of their large volumes, however, materials generated may be less suitable for route-type collection programs with the possible exception of corrugated paper. Consequently, direct shipment, such as with corrugated paper, or source separation into specific material categories by the generator, may be more desirable. These mechanisms would provide the greatest ability to accommodate change.

Throughout the county, recycling activities are common among existing manufacturing-related industries but primarily occur in-house or through private arrangements made through a local refuse hauler. As high volume refuse generators who pay for refuse disposal on a per ton basis, it is much to their advantage to minimize waste to control costs. The most readily diverted materials locally currently include metals, glass, mixed paper, mixed plastics and corrugated paper and new program design would be expected to pattern new or established end uses/markets for diverted materials.

PUBLIC EDUCATION/INFORMATION PROGRAM

Public education and information efforts will be expanded in Stanislaus County's unincorporated areas for the following reasons:

- ◆ Maintaining public awareness maximizes participation and volumes diverted;
- ◆ Educating businesses about commercial recycling can carry over into other aspects, such as at home;
- ◆ Educating the public about residential recycling can carry over into other areas, such as the work place;
- ◆ Establishing an information network builds a base through which information regarding future program expansions/modifications can be disseminated; and
- ◆ Implementing a program at the commercial level also aids in developing good recycling "habits" in other aspects of life.

EXPAND LOCAL GOVERNMENT OFFICE RECYCLING

Expansion of the existing local government office recycling program to include additional materials and/or departments, for the following reasons:

- ◆ A large percentage of wastes generated within local government offices are easily source separated and recyclable;
- ◆ Such programs can often be implemented at little, if any, cost to the jurisdiction, and often can result in a cost savings;
- ◆ Program implementation at local government offices sets an example which other local businesses to follow; and
- ◆ Programs within the work place provide an educational role by encouraging waste reduction in other aspects of employees' lives.

EXPAND BUY-BACK/DROPP-OFF/PROCESSING SERVICES

Stanislaus County will work cooperatively with the private and/or nonprofit sector to expand the services of drop-off, buy-back and/or processing centers for increased waste diversion in the county. Rationale:

- ◆ Expanding existing drop-off, buy-back and/or processing centers will enhance waste diversion efforts within the County;
- ◆ These types of facilities offer a convenient, accessible mechanism whereby community members can divert material from disposal which cannot otherwise be collected curbside; and
- ◆ Significant volumes of materials can be diverted through these types of programs.

EXPANSION OF RESIDENTIAL CURBSIDE RECYCLING TO INCLUDE TELEPHONE BOOK COLLECTION

Expansion of the existing residential curbside program, offered to 26,350 county households, to include the collection of telephone books for the following reasons:

- ◆ Telephone books within Stanislaus County weigh approximately 3 pounds each amounting to a substantial potential diversion opportunity;
- ◆ In the past, there has been no convenient mechanism for the residential sector to recycle telephone books;
- ◆ Telephone book collection could easily be incorporated into an existing curbside program;
- ◆ Curbside collection maximizes the convenience factor to residents; and
- ◆ This program could be incorporated into the existing curbside program without additional cost or equipment/facility impacts.

WORK WITH LOCAL TRANSFER STATION OPERATORS TO INCREASE MATERIALS RECOVERY AND SALVAGING ACTIVITIES

The County of Stanislaus will work cooperatively with its local transfer station operators to increase materials recovery and salvaging activities to increase waste diversion potential, based upon the ensuing rationale:

- ◆ The 1990 Stanislaus County waste disposal characterization indicated that significant quantities of materials are disposed which could be diverted from disposal through some mechanism;
- ◆ This type of action may be necessary to meet state mandated waste reduction goals; and
- ◆ Increased waste diversion of this nature conserves valuable landfill space.

PROMOTE OFFICE PAPER and CORRUGATED PAPER RECOVERY PROGRAMS

Stanislaus County will work cooperatively with local haulers to promote office paper and corrugated paper recovery in the commercial and industrial sectors for the following reasons:

- ◆ Corrugated cardboard and office paper are a common waste component of the commercial and industrial sectors;
- ◆ These materials are easily recognizable and simple to source separate; and
- ◆ Local diversion potential exists for this product.

RECYCLING MARKET DEVELOPMENT ZONES

The County of Stanislaus will cooperatively participate with other local jurisdictions to obtain designation as a regional Recycling Market Development Zone for the following reasons:

Updated June 2016

Final Draft Stanislaus County SRRE

4-41

November 1995

Joaquin Valley unified Air pollution Control District must approve all treatment methods which result in the emission of toxic compounds to the atmosphere.

6.2.9 CONTAMINATED TRAP SLUDGE

Most, if not all, of the jurisdictions within Stanislaus County require grease traps on the sewer lines of grease producing businesses such as restaurants. This is required to keep grease out of the sewers and sewage treatment plants. With the exception of small “in-house” grease traps, grease trap sludge is removed by grease trap pumping companies. The sludge cannot be disposed of at the county’s landfills. It may be taken to a rendering facility, such as I TRE Corporation in San Joaquin County, or it can be land spread.

In Stanislaus County, only one company has approval for land application of food facility grease trap pumpings. That company’s sites are under the jurisdiction of the RWQCB, pursuant to Waste Discharge requirements. It should be noted that as a consequence of allowing land application of grease trap pumpings, land spreading of septage has been discontinued. All septage goes to waste water treatment plants.

Small “in-house” or “under sink” grease traps are typically found in older food facilities. Such traps are usually of less than 50 pounds in capacity. They are cleaned by ladling out the trapped grease. That sludge is placed in grease barrels for processing at a rendering facility, or commingled with refuse in the facility’s refuse collection containers.

Grease trap sludge will not be discussed further in this component.

6.2.10 INCINERATOR ASH

The Stanislaus Resource Recovery Facility is an 800 tons per day solid WTE plant located adjacent to the Fink Road landfill. Heat produced through incineration of municipal solid waste is used to generate electricity. That power is sold to Pacific Gas and Electric Company under the terms of a long-term Standard Offer Number 4 power purchase agreement.

The facility, which has been in operation since January 1989, is owned and operated by **Covanta Stanislaus, Inc.**, pursuant to a twenty year contract with the City of Modesto and the County of Stanislaus. Regulatory agencies having jurisdiction over this facility include the U.S. Environmental Protection Agency, the DHS, the RWQCB, the California Air Resources Board, the San Joaquin Valley Unified Air Pollution Control District, the CIWMB and the Hazardous Materials Division of the Department of Environmental Resources.

The amount of ash generated by the WTE facility is approximately 25-30 percent by weight of the feedstock. The amount of ash generated varies by the amount of refuse incinerated and the amount of non-combustibles in the refuse. **In 2015, 71,539 tons** of ash was monofilled in a specially designed waste management unit (WMU) at the Fink Road landfill. The design of the ash WMU, combined with operational procedures at the

6.2.16 TIRES

Used tires generated in the unincorporated areas of Stanislaus County are taken to the Fink Road landfill including tires that are illegally disposed along the sides of roads. Tires collected in small numbers and incidental to normal municipal refuse collection activities are incinerated at the WTE facility.

At the Fink Road landfill, tires are stockpiled by landfill personnel and thereafter loaded into vans for transport by Oxford Tire Recycling to the Modesto Energy Company for incineration. This tire salvage program was started in August, 1990. During the last four months of 1990, approximately 3,600 tires were collected at the landfill and sent to the tire incinerator. In **2015, 7,093** tires were diverted from the landfill.

Oxford Tire Recycling also has a used tire collection network throughout not only the unincorporated areas of Stanislaus County, but the other jurisdictions of the county as well. Tires collected through this network are taken to the tire incineration facility. The number of tires thus collected is not available. However it is likely that a significant number of the used tires generated throughout the county are diverted to this facility. It should be noted that the tire incinerator is not required to obtain a Solid Waste Facilities Permit because the CIWMB determined that is a recycling, rather than a solid waste, facility.

The SWGA for the County showed that in 1990, Tires/Rubber accounted for 0.77 percent (854 tons) of the County's total disposed waste stream (see Table 2-13). Much of the weight and volume of this waste category is attributable to automobile and truck tires. Based on surveys of the three tire retreading plants in Stanislaus County, it was estimated in the Source Reduction Component (Chapter 3) that for the unincorporated areas of Stanislaus County, retreading truck tires could account for diversion of an estimated 343 tons per year (TPY) (0.226 percent of the total waste generated) of tires. While tires often require special handling and cause unique operational problems at landfills, and take up valuable landfill space, they do not create hazards when properly buried. Consequently, the hazard criterion did not weight heavily in prioritizing this category. They are made from non-renewable resources so recycling tires would be beneficial.

6.2.17 USED OIL

In the mandatory collection service areas of the unincorporated portions of Stanislaus County, residents may place used oil containers with screw-on lids at curbside for collection as part of the curbside collection of recyclables. The hauler takes the oil to the transfer station. There it is bulked and stored. A used oil recycler removes the oil from the transfer stations and takes it to a recycling facility. Service stations throughout the County store used oil and when sufficient quantities are collected, a used oil recycler removes it from the station for recycling. The Household Hazardous Waste Element addresses used oil. Used oil will not be discussed further in this Component.

8.1.1 FINK ROAD LANDFILL

OWNER AND OPERATOR

Stanislaus County is the owner of the Fink Road landfill. It is operated by the Stanislaus County Department of **Environmental Resources**. The landfill is located at 4000 Fink Road, Crows Landing, Stanislaus County, California.

QUANTITY AND WASTE TYPES DISPOSED

As specified in the Solid Waste Facility Permit (SWFP; number 50-AA-0001) for the Fink Road landfill, the permitted quantity of waste disposed per operating day is 1,800 tons, based on an annual average. The daily peak quantity permitted under the SWFP is 2,400 tons-per-day. Included in this latter figure are the Class II disposal areas for the combustion ash from the WTE facility. The Class III disposal area of the landfill is permitted to accept solid wastes such as garbage, paper, cardboard, textiles, plastic, glass, metal, wood, tires, street sweeping debris, yard debris, construction and demolition debris, commercial and industrial refuse, ashes and agricultural wastes.

PERMITTED SITE ACREAGE

The Fink Road landfill site has a total permitted area of 202.5 acres, of which 164 are permitted for Class III waste, and 38.5 for Class II waste (combustion ash from the WTE facility).

PERMITTED CAPACITY

According to **an update** to SWFP No. 50-AA-0001 **in 2011**, the Fink Road landfill has a permitted capacity of 10,550,000 cubic yards for Class III waste. The estimated closure date is **2029**. The ash disposal site has a permitted capacity of **4,090,000** cubic yards. The estimated closure date is **2044**.

CURRENT DISPOSAL FEES

The disposal fees charged at the Fink Road landfill are outlined in Table 8-1.

TABLE 8-1 FINK ROAD LINDFILL DISPOSAL FEES	
TYPE	FEE
Cars, station wagons, mini vans	\$10/load
Pick-ups, full size vans	\$10/load
Two-wheel trailers (min. charge)	\$10/load
Four-wheel trailers (min. charge)	\$15/load
Car/pick-up tires	\$2.50 /each
Truck tires	\$15/each
Tractor tires	\$25 /each
Scraper/earthmover tires	\$225 /each
Tires (loads of 10 or more)	\$225 /ton
Normal refuse	\$33 /ton
Inert material	\$5/ton
Hard-to-handle	\$100 /ton
Trucks (min. charge)	\$10/load

REMAINING FACILITY CAPACITY

The regulations require a discussion of the remaining facility capacity in cubic yards and years.

The revised SWFP issued in 1993 stated that the capacity of the Class III portion of the landfill was 12,003,626 cubic yards. That figure included an inactive portion (landfill unit 1) of the landfill. According to reports issued by the Stanislaus County **Department of Environmental Resources**, in **2015** the remaining capacity was **5,008,084** cubic yards. According to the SWFP, the estimated closure date is **2023 (30 years from 1993)**.

8.1.2 BONZI SANITATION LANDFILL (INACTIVE)

OWNER AND OPERATOR

The Bonzi Sanitation landfill is owned by Ma-Ru Holding Co., Inc. The operator is Steve Bonzi, Bonzi Sanitation Landfill, Inc. The landfill is located at 2650 W. Hatch Road, Modesto, Stanislaus County, California.

QUANTITY AND WASTE TYPES DISPOSED

Typical municipal solid waste is not disposed of at the landfill. Pursuant to conditions imposed by the Regional Waste Quality Control Board, only specified inert industrial and commercial wastes are allowed to be disposed of at the site. Such wastes include concrete, earth, rock, asphalt, mortar, tile, stucco, composition shingles, brick, linoleum, glass, gypsum board, scrap rubber, wiring, PVC pipe, vitrified clay pipe, plaster, plastics and other inert refuse.

PERMITTED SITE ACREAGE

The Bonzi landfill site occupies 121 acres, of which 115 are permitted for disposal of specified and limited types of waste. Landfilling operations have occurred, or are occurring, on 75 acres of the site. Approximately 40 acres of land remain for future disposal operations.

PERMITTED CAPACITY

According to the SWFP (No. 50-AA-0003) for the landfill, as of March 1992, permitted capacity was approximately 570,000 cubic yards. The landfill is permitted to receive 152 tons per day of specified waste.

CURRENT DISPOSAL FEES

In March 1991, the disposal fee was \$36.75 per ton.

REMAINING FACILITY CAPACITY

The SWFP states that as of March 1992, the remaining facility capacity was estimated to be 570,000 yards. According to the SWFP, the landfill is projected to reach capacity in the year 2017 (25 years from 1992).

8.1.3 STANISLAUS RESOURCE RECOVERY FACILITY

The Stanislaus Resource Recovery Facility is a municipal solid WTE facility. It is located immediately adjacent to the Fink Road landfill.

OWNER AND OPERATOR

The owner and operator of the WTE facility is Covanta Stanislaus, Inc. **Covanta** of Stanislaus is a wholly owned subsidiary of Covanta.

QUANTITY AND WASTE TYPES DISPOSED

The WTE facility incinerates 800 tons per day of non-hazardous municipal solid waste having a heating value of 5,200 Btu per pound. On a yearly basis, allowing for scheduled and unscheduled maintenance, the facility will incinerate a minimum of 278,356 tons.

PERMITTED SITE ACREAGE

The WTE facility site is 16.5 acres. The site is leased from Stanislaus County, pursuant to a long-term lease agreement.

PERMITTED CAPACITY

The WTE facility has a permitted capacity of 800 tons per day of refuse (having an average energy content of 5,200 Btu per pound). The facility may not receive more than 1,400 tons of refuse per day. The facility has SWFP No. 50-AA-0009.

CURRENT DISPOSAL FEES

The current disposal fee at the WTE facility is **\$39.65** per ton.

8.2 DISPOSAL FACILITY NEEDS PROJECTION

The disposal capacity needs projection for the 15 year period starting in 1991 was calculated using the following equation:



HOUSEHOLD HAZARDOUS WASTE ELEMENT

NOVEMBER 1995
Updated October 2004
Updated October 2007
Updated June 2011
Updated June 2016

**STANISLAUS COUNTY
CIWMP FIVE-YEAR REPORT
ADDENDA TO THE HOUSEHOLD HAZARDOUS WASTE
ELEMENT**

HOUSEHOLD HAZARDOUS WASTE ELEMENT

- Chapter 3, Section 3.0, include “temporary” after mobile in this chapter and throughout document.
- Chapter 3, Section 3.0, update new facility address.
- Chapter 3, Section 3.0, update facility hours of operation.
- Chapter 3, Section 3.0, update discussion of used oil to include used oil filters.
- Chapter 3, Section 3.1.2, update to include recycling used oil and used filters curbside and local Certified Collection Centers.
- Chapter 3, Section 3.1.3 & 3.2.3, update retail collection of used oil and used filters.

3.0 DESCRIPTION OF EXISTING HOUSEHOLD HAZARDOUS WASTE PROGRAMS

Background

Previous to 1986, there were no coordinated HHW programs within Stanislaus County. With the passage of AB 1809, cities and counties were given the responsibility to develop such programs in their communities. This bill required that the County Solid Waste Management Plan include a discussion of programs for the collection of HHW. It also authorized increased solid waste collection fees to offset the costs of local programs.

A local Task Force was formed during 1986 to make recommendations to the Solid Waste Advisory Committee relative to the management of HHW. The Task Force did not conclude its study of the issues, although funding was identified as a serious impediment to implementation of programs in the county.

AB 2948 also required the Hazardous Waste Management Plan to address HHW. Management of this waste stream was incorporated into that Plan and reviewed by the Hazardous Waste Management Advisory Committee. Their actions and recommendations were based on a strong consensus within the community that HHW programs are needed and should be incorporated into the entire community's waste management system. The visible success of programs in other communities lent support to that viewpoint.

The Stanislaus County Department of Environmental Resources ("Department"), in conjunction with the Hazardous Waste Management Advisory Committee, recommended a program based on a model developed by the Association of Bay Area Governments (ABAG) entitled, "Guidelines for Planning Household Hazardous Waste Collection Programs", May 1988. The recommended program combined one-day collection events with a permanent collection station and will ultimately phase in the use of mobile (**temporary**) collection vehicles. Specific recommendations include:

- *** Start a Countywide Household Hazardous Waste Collection Program by providing two periodic collections per year for the first two years of the program and one permanent collection station. In the third year the periodic events would be phased out and a mobile (**temporary**) collection vehicle added to the program.
- *** The HHW program should serve the entire county and accept a wide range of HHW. Only households located in Stanislaus County should be eligible to participate in the program.
- *** The program will accept a variety of HHW, including the following:
 - waste oil
 - paints
 - paint thinner
 - solvents
 - pesticides
 - photographic chemicals

- automotive products
 - household cleaners
 - polishes
 - acids and caustics
 - pool chemicals
 - weed killers
 - hobby supplies
- *** HHW that is excluded:
- shock sensitive explosives
 - radioactive materials
 - explosives and ammunition
 - pressurized gas cylinders
 - PCB's
 - herbicides containing 2,4,5-T
 - infectious waste
 - water reactive chemicals
 - wastes from commercial or agricultural businesses
- *** The quantities of waste transported by an unregistered hauler and thus accepted at the collection events/station must be consistent with State law. Currently, this can not exceed 50 lbs. or 5 gallons. Single containers must be one gallon or less or under ten lbs. However, the number of trips made by the unregistered hauler is not restricted.
- *** As the program develops, options for treating and combining wastes and recycling would be researched as a cost saving measure.
- *** Public information programs would be implemented before collection events occur. This could be in the form of flyers, group presentations, media advertisement or a information hotline. Collection events, drop-off sites and mobile (**temporary**) unit locations could feasibly be published in the County phone directories.

Current Status

Countywide Household Hazardous Waste Collection Program:

On September 25, 1990, the Stanislaus County Board of Supervisors (Board) approved the implementation of the Countywide Household Hazardous Waste Collection (CHHWC) Program encompassing public education and collection services for the entire community. At that hearing the Board took the following actions:

1. The Board of Supervisors increased the Tipping Fee at the Stanislaus Resource Recovery Facility (Waste-to-Energy Plant) from \$22 to \$25 per ton, effective October 1, 1990.
2. The Board of Supervisors revised the County Franchise Refuse Company rates to reflect the increased disposal charges.

3. The Board of Supervisors created two new Special Revenue Funds:
 - a) The Household Hazardous Waste Special Revenue Fund and
 - b) The AB 939 Special Revenue Fund.
4. The Board of Supervisors directed the County Auditor to direct \$1.50 per ton received at the Waste-to-Energy Plant into each of the Special Revenue Funds.
5. The Board of Supervisors approved an "interim budget" for the HHW Special Revenue Fund of \$180,000 to enable the Department to conduct the First Countywide Household Hazardous Waste Collection Day.
6. The Board of Supervisors directed Staff to prepare final budgets for both Special Revenue Funds and to return to the Board for review and approval.
7. The Board of Supervisors authorized the Department to issue a Request for Proposals (RFP) relative to selecting a contractor for the first collection day.

After the Board action, the Department of Environmental Resources (Department) staff began to implement the three-phase Countywide Household Hazardous Waste Collection Program (CHHWC): four one-day collection events; a permanent collection station, and a mobile station. As a first step, Department staff prepared and distributed an RFP to solicit private, professional contractors to operate the first collection event in cooperation with Department Staff and community volunteers. After careful review and consideration the Department selected Greenfield Environmental Company from Chula Vista, California.

The First Countywide Household Hazardous Waste Collection Day was held on October 27, 1990 and was deemed to be an overwhelming success. The event, held at County Center IV, 1716 Morgan Road, **(as of 2014, the facility address was changed to 1710 Morgan Road)** received HHW from 525 households and diverted 3,665 gallons of liquid wastes and 7,140 pounds of solid wastes from illegal disposal

The final budgets for both Special Revenue Funds were presented to the Board on November 20, 1990, and the HHW program was allocated \$310,000 for Fiscal Year 90-91. The Department will return annually to the Board with a proposed operating budget based on projected costs and revenue.

The Second Countywide Household Hazardous Waste Collection Day was held on June 22, 1991. This event, held in Patterson, received HHW from 170 households and diverted 1,583 gallons of liquid wastes and 1,877 pounds of solid wastes from illegal disposal.

The Third Countywide Household Hazardous Waste Collection Day was held on September 28, 1991. This event, held in Turlock, received HHW from 539 households. A total of 7,649 gallons of liquid and 2,402 pounds of solid waste were diverted from illegal disposal.

The Fourth Countywide Household Hazardous Waste Collection Day was held on May 23, 1992.

This event, held in Oakdale, had 151 participants. A total of 5,518 gallons of liquid and 3,022 pounds of solid waste were diverted from illegal disposal.

The fourth event was the final scheduled one-day event and concluded the first phase of the CHHWC program. The four one-day events collected a total of 107 tons of household hazardous waste. According to the surveys taken during these events, most persons were over 30 years old and close to half the wastes collected were held for 5 or more years.

The second phase of the CHHWC program began in 1992. Since April 24, 1992, a permanent household hazardous waste (HHW) collection station has been operating at 1716 Morgan Road. The collection station serves all ten jurisdictions within Stanislaus County. The station is currently open two days a week, Friday and Saturday from **8:00 a.m. to 12:00 p.m.** Two full time Department staff employees are assigned to the station. They collect HHW from the public during collection hours and process and lab pack throughout the remainder of the week. The two full time staff are also involved in the public education and awareness program. During the first five months of operation, the collection station has received 19 tons of household hazardous waste.

The final phase of the CHHWC program is scheduled to begin operation in January of 1994. Once the mobile collection program commences, it will alternate weeks with the permanent collection station using the same staff, days, and hours. The purpose of the mobile station is to service outlying communities. The one-day (**temporary**) events demonstrated that people rarely came from more than ten miles to drop off their HHW. The initial plan is to commence the program in four of the cities, Turlock, Patterson, Oakdale, and Riverbank. These cities have been notified of the plan and have expressed interest although no formal arrangements have been made. The program may later be expanded to other communities as conditions warrant.

Collection of Used Oil & Used Oil Filters:

In addition to the countywide program, the County operates a successful curbside collection program for used oil. Through agreements with their Franchised Refuse Collection Company, (Bertolotti Disposal, Gilton Solid Waste Management, Inc and Turlock Scavenger), most County residents can have used oil collected and diverted from improper disposal. **In addition, several auto parts stores within the county collect used oil and used oil filters for recycling.**

Collection/Recycling of Lead Acid Batteries:

Within the County, it is common practice for automobile parts retailers and repair shops to accept used lead acid batteries in "exchange" when new batteries are sold. Additionally, several County recycling facilities will accept (or sometimes purchase) used batteries.

Voluntary Collection of Mercury Batteries:

According to a recent survey by Stanislaus County, there are a few retail stores, primarily hearing-aid and jewelry, and some institutions that participate in the collection of used mercury batteries. Some hearing-aid retailers have batteries picked up for recycling by factory sales

CLASS I LANDFILL, UNTREATED
dry cell batteries

- * Note: Some curbside waste oil is re-refined and thus recycled; the CHHWC Program may in the future utilize a vendor which provides this service.

The above represents the methods of diversion and disposal used during the first six months of operation of the permanent collection station.

3.1.1 SOURCE REDUCTION

What is Source Reduction?

Simply stated - "If no HHW is created, then there is no need to provide for disposal."

Source reduction is dependent on educated, aware consumers. The County supports source reduction through public information and education. One of the major purposes of the one-day events was to make county residents more aware of HHW.

Stanislaus County, through their support of the CHHWC program, provides an opportunity for residents to acquire basic information regarding the source reduction of HHW.

Under the existing program, County residents can contact the Stanislaus County Department of Environmental Resources, Division of Hazardous Materials, and be advised of ways to reduce their HHW.

Staff within the Department can advise homeowners of alternative products that can be substituted for an item that may have hazardous ingredients (See Appendix B for substitutions suggested). In addition and when appropriate, residents can be advised to "use up" or donate products to friends or neighbors rather than discard the material.

The Department has participated in activities like "Earth Day" celebrations where all types of environmental information are distributed. These events have been, and will continue to be, beneficial opportunities to provide information regarding source reduction of HHW.

3.1.2 RECYCLING

Current activities related to the recycling of HHW in the County is limited to three main programs - the curbside collection of used motor oil, the retail collection of used auto batteries, **used oil and used oil filters in addition** to the recycling activities related to the HHW collection days and the permanent station.

There is one other voluntary program that involves the collection of mercury (button type) batteries at some retail outlets, but is currently too small to quantify accurately.

Curbside Collection of Used Motor Oil:

Stanislaus County, through their Franchised Garbage Collector, provides the opportunity for all residents to recycle used motor oil. Residents are requested to use the following guidelines:

- Used oil is to be set out curbside with all other recyclables **or by garage door.**
- Used oil is placed in plastic containers with tight fitting, screw-on caps. Clear or transparent containers are preferred.
- Collection is limited to two gallons per week per household.

Retail Collection of Used Auto Batteries:

Research, conducted by Stanislaus County, confirms that, in Stanislaus County, all automobile part retailers and repair shops that sell batteries operate collection/exchange programs for used auto batteries. As customers purchase new batteries, the cost is typically based on the store or shop receiving an "exchange" battery from the buyer.

The store or shop then sells the used batteries to a distributor or manufacturer. Some recycling centers will accept/purchase batteries from individuals.

This type of arrangement provides a simple and effective way to divert HHW through recycling, and clearly helps prevent the illegal disposal of lead-acid batteries.

Retail Collection of Used Oil and Used Oil Filters:

Several auto parts stores throughout the county collect used oil and used oil filters free from residents. Requirements for oil disposal are the same as those for curbside collection. Used Oil Filter Exchange Events are held annually at participating auto parts stores in which a resident can bring in a used oil filter for recycling and receive a new filter of equal value for free.

HHW Collection Days:

The CHHWC program is designed to not only collect HHW, but to also provide the most environmentally sound method of dealing with the waste. At the first collection day held in 1990, only used motor oil and lead acid batteries were designated for recycling. Subsequent events required the selected contractor to include the recycling of latex paints in their bid and proposal. Antifreeze recycling, on a regular basis, began with the opening of the permanent collection station. For items recycled during later collection days and at the permanent station see Section 3.1.

3.1.3 COLLECTION

Current collection systems for HHW in the County include:

- Curbside collection of used motor oil

substitution of a non-hazardous product; completely using up potentially hazardous products; and changing to organic gardening methods. For specific information on product substitution recommendations, which are provided to residents, see Appendix B.

3.2.2 RECYCLING

Statistics from 1990 acquired from the existing programs, as described in 3.1.2, include:

MATERIAL/TYPE	PROGRAM(S)	QUANTITY/YEAR
USED OIL	CURBSIDE	4,444 gallons (16.8 tons)
	COLLECTION DAY	153 gallons (0.57tons)
CAR BATTERIES	EXCHANGE/BUY BACK	71. tons
	COLLECTION DAY	0.7 tons
MERCURY BATTERIES	RETAIL STORES	< 0.1 ton

* A conversion factor for waste oil of 8.3 lbs/ gallon is used. This conversion factor is only used for separated oil tonnages. Mixed HHWE gallon conversion is 10.83 lbs/ gallon, which represents an average weighted towards paints rather than oil.

3.2.3 COLLECTION

As previously noted, collection of HHW in Stanislaus County is currently limited to:

- Curbside collection of used motor oil
- Exchange and purchase of used automobile batteries
- **Recycling of used oil and used oil filters at participating auto parts stores**
- Countywide Household Hazardous Waste Collection (CHHWC)
- Voluntary collection of mercury batteries at retail stores

Types and quantities of HHW collected in each of those programs are reported in 3.0, 3.2.2, 3.2.4 and 3.2.5.

3.2.4 TREATMENT

Treatment of HHW is currently limited to specific wastes collected at the CHHWC Days and the permanent station. Treatment processes are identified as Fuel Incineration, Destructive Incineration, Neutralization, and Stabilization. Estimates, for 1990, of waste from the entire county, including the cities that were handled through treatment processes are as follows:



APPENDIX

LOCAL TASK FORCE COMMENTS and TIMELINE

JUNE 2016

Five Year Review of the California Integrated Waste Management Plan (CIWMP)

LTF Comments and Timeline

October 15, 2015 – LTF meeting. In attendance were:

- | | |
|--------------------|-------------------|
| 1. Kay Dunkel | City of Ceres |
| 2. George Carr | City of Hughson |
| 3. Tony Madrigal | City of Modesto |
| 4. Perfecto Milan | City of Newman |
| 5. Michael Renfrow | City of Oakdale |
| 6. Peni Basalusalu | City of Patterson |
| 7. Art Machado | Industry |

Non-members

- | | |
|----------------------|------------------------------------|
| 1. Sam Rush | City of Hughson |
| 2. Toni Cordell | City of Turlock (now an Alternate) |
| 3. Syvanna Gilton | Gilton Solid Waste |
| 4. Aaron Danhoff | Gilton Solid Waste |
| 5. Gabriel Avila | Landfill |
| 6. George Angusich | Landfill |
| 7. Tera Chumley | Stanislaus County CEO |
| 8. Bryan Kumimoto | Stanislaus County DER |
| 9. Tom Wolfe | Stanislaus County DER |
| 10. Janice McClendon | Stanislaus County DER |
| 11. Denise London | Stanislaus County DER |

A packet of information was distributed to attendees which included:

- Explanation of what the CIWMPS 5-Year Review is
- The role of the LTF regarding the 5-Year Review
- LTF will review and update the 5 elements contained in the CIWMP
- Updates to be completed and approved before May 1, 2016
- Additional meeting may be necessary
- Approved changes will be presented to the BOS in May, 2016 (as a result of changes to the Board Report Calendar, date has been changed to June, 2016) and submitted to CalRecycle June, 2016

LTF determined and agreed to the following procedure to distribute elements for review and obtain updates:

- A calendar will be created and distributed to members showing review timeline for each element
- One element to be reviewed at a time
- Any update to the element will be done by LTF member and submitted with "Track Changes" on

- Element with changes emailed to Denise
- All updates received will be combined into one master document
- If there are no changes to the element, an email should be sent to Denise stating this
- Any changes will be presented to the LTF at the next meeting for approval by the LTF
- A complete review of all changes will take place at the scheduled April 21, 2016 meeting and it is imperative a quorum be present for the final vote to approve

Review Timeline:

- October 20, 2015 – November 17, 2016 Siting Element
- November 17, 2015 – December 22, 2015 Household Hazardous Waste Element
- December 22, 2015 – January 19, 2016 Non-Disposal Facility Element
- January 19, 2016 – February 23, 2016 Summary Plan
- February 23, 2016 – March 18, 2016 (revised) Source Reduction & Recycling Element

January 21, 2016 – LTF meeting. In attendance:

1. Michael Brinton City of Ceres
2. George Carr City of Hughson
3. Koosun Kim City of Newman
4. Perfecto Millan City of Newman – Alternate
5. Peni Basalusalu City of Patterson
6. Kathleen Cleek City of Riverbank
7. Art Machado Industry

Non-Members:

1. Sam Rush City of Hughson
2. Robin Kloepfer City of Ceres – (Now an Alternate)
3. Toni Cordell City of Turlock – (Now an Alternate)
4. Matt Erikson City of Waterford – (Now an Alternate)
5. Syvanna Gilton-Pitassi Gilton Solid Waste
6. Aaron Danhoff Gilton Solid Waste
7. Bryan Kumimoto DER
8. Tom Wolfe DER
9. Janice McClendon DER
10. Lucien Musso DER
11. Denise London DER

Review updates – October 20, 2015 through January 21, 2016

- Siting Element (SE) – Disposal tables updated by DER to bring current through 2015. Update Covanta's names. Landfill and Covanta provided updates of numbers and dates for permits.

- Household Hazardous Waste Element (HHWE) – Updates provided by HHW staff. Mobile event, mobile collection updated to temporary event, temporary collection. Updated change to facility address. Updated used oil collection items to include used oil filters.
- Non-disposal Facility Element (NDFE) – Include Patterson in Bertolotti Disposal’s service area. Include Hughson in Gilton Solid Waste’s service area. Update Gilton Resource Recovery/Composting to reflect inactive.

April 12, 2016 – LTF Meeting. In attendance:

- | | |
|--------------------|-------------------|
| 1. George Carr | City of Hughson |
| 2. Toni Cordell | City of Turlock |
| 3. Perfecto Millan | City of Newman |
| 4. Robin Kloepfer | City of Ceres |
| 5. Peni Basalusalu | City of Patterson |
| 6. Michael Renfrow | City of Riverbank |
| 7. Matt Erikson | City of Waterford |

Non-Members:

- | | |
|------------------|--------------------|
| 1. Aaron Danhoff | Gilton Solid Waste |
| 2. Denise London | DER |

Updates reviewed by LTF at April 12, 2016 meeting

- Summary Plan (SP) – Turlock provided grammatical updates to Chapter 2. Turlock provided grammatical updates to Chapter 3. DER updated table 4-4 and recycling facilities available throughout Stanislaus County by city and commodity.
- Source Reduction Recycling Element (SRRE) – Added greenwaste and organics recycling as an additional means of diversion activities. Updated list of Certified Recycling Centers, Thrift Stores, Inert Materials, Wood Chipping/Shredding, Transfer Stations and Scrap Metal. Update the curbside recycling program, Government Recycling, updated recycling opportunities by city. Update Recycling Development Zone (RMDZ), Education Programs, DER paper recycling program, update California Integrated Waste Management Board (CIWMB) to CalRecycle, level of service to residents in the unincorporated area of Stanislaus County and changes to current MOU’s with the cities. The owners and operators of the Waste to Energy facility changed to Covanta Stanislaus, Inc., the total number of tires diverted from the landfill increased to 7,093, changed operator of Fink Road Landfill to reflect DER, updated dates for estimated closure for MSW and ash at Landfill, update Fink Road Landfill disposal fees, update remaining capacity and estimated closure date for Fink Road Landfill, update Bonzi Landfill as inactive and updated current disposal fee at WTE facility.

April 21, 2016 – LTF meeting. In attendance were:

- | | |
|-------------------|---------------------------|
| 1. Robin Kloepfer | City of Ceres – Alternate |
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| 2. George Carr | City of Hughson |
| 3. Koosun Kim | City of Newman |
| 4. Michael Renfrow | City of Oakdale |
| 5. Peni Basalusalu | City of Patterson |
| 6. Kathleen Cleek | City of Riverbank |
| 7. Garner Reynolds | City of Turlock |
| 8. Matt Erickson | City of Waterford – Alternate |
| 9. Art Machado | Industry |
| Non-Members | |
| 1. Denise London | DER |
| 2. Tom Wolfe | DER |
| 3. Avneet Mahill | DER |

Vote to approve all final updates (Attachment "A") to the California Integrated Waste Management Plan. A quorum, being eight of nine members present, voted to approve final updates.