MEETING: May 1, 2018

TO: The Board of Supervisors

FROM: Mike Healy, Public Works Director

RE: Approve the Five Year Review of the Waste Management Plan

RECOMMENDATION AND JUSTIFICATION:
Approve and Authorize the filing of the Five Year Review of the County Integrated Waste Management Plan (CIWMP) generated by the AB939 Task Force. This review is required by the California Code of Regulations for the purpose of determining if the Mariposa County Integrated Waste Management Plan requires any revisions.

Based on its review, the Task Force believes the CIWMP requires no revisions at this time.

BACKGROUND AND HISTORY OF BOARD ACTIONS:

ALTERNATIVES AND CONSEQUENCES OF NEGATIVE ACTION:
Do not approve and the Task Force would have to resubmit another plan to the Board for approval.

ATTACHMENTS:
Landfill 5 yr Review (PDF)

RESULT: ADOPTED BY CONSENT VOTE [UNANIMOUS]
MOVER: Merlin Jones, District II Supervisor
SECONDER: Miles Menetry, District V Supervisor
AYES: Smallcombe, Jones, Long, Cann, Menetry
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 LAM&D 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

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

<table>
<thead>
<tr>
<th>SECTION 1.0 COUNTY OR REGIONAL AGENCY INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>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:</td>
</tr>
<tr>
<td>County or Regional Agency Name</td>
</tr>
<tr>
<td>Mariposa County</td>
</tr>
<tr>
<td>Authorized Signature</td>
</tr>
<tr>
<td>Todd Storti</td>
</tr>
<tr>
<td>Date</td>
</tr>
<tr>
<td>3/26/18</td>
</tr>
<tr>
<td>Person Completing This Form (please print or type)</td>
</tr>
<tr>
<td>Curt Fujii (Fujii Civil Engineering)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
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<tr>
<td>Mailing Address</td>
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<tr>
<td>4495 Big Pine Lane</td>
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<tr>
<td>E-mail Address</td>
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<tr>
<td>fujii civeng @icloud.com</td>
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<th>Page</th>
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<td>7.0</td>
<td>REVISION SCHEDULE</td>
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SECTION 2.0  BACKGROUND
This is the county’s fourth Five-Year Review Report since the approval of the CIWMP in 1998.

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

☐ Diversion goal reduction  ☐ New city (name(s) _____)
☐ New regional agency  ☐ Other _____
☐ Changes to regional agency

Additional Information (optional)
No changes to the planning documents are necessary.

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
□ at the _____ LTF meeting.  ☐ electronically (fax, e-mail)  ☐ other (Explain): _____

b. The county received the written comments from the LTF on _____.

c. A copy of the LTF comments
□ is included as Appendix ______.
□ 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
When preparing the CIWMP Review Report, the county or regional agency must address at least the changes in demographics.

The following resources are provided to facilitate this analysis:

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:
   - Population: Department of Finance
   - Taxable Sales: Board of Equalization

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• 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 Area Profile” button.

• Consumer Price Index: Department of Industrial Relations

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.

Analysis
Upon review of demographic changes since 1990,¹
☑ The demographic changes since the development of the CIWMP do not warrant a revision to any of the countywide planning documents. Specifically, the SP, SRRE, HHWE, NDPE, and SE, as revised through Annual Electronic Reports (EARs) are still appropriate.
☐ 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)
The following table presents the changes in demographic information since 1990:

<table>
<thead>
<tr>
<th>Year</th>
<th>Consumer Price Index (CPI)</th>
<th>CPI Measurement Level</th>
<th>Population</th>
<th>Taxable Sales ($1,000)</th>
<th>Labor Force Employment</th>
<th>Industry Employment</th>
<th>Employment</th>
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<td>1990</td>
<td>135</td>
<td>CA</td>
<td>14,302</td>
<td>97,519</td>
<td>6,360</td>
<td>4,780</td>
<td>SDNID</td>
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<tr>
<td>1991</td>
<td>140.6</td>
<td>CA</td>
<td>14,700</td>
<td>101,892</td>
<td>6,400</td>
<td>4,850</td>
<td>SDNID</td>
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<td>1992</td>
<td>145.6</td>
<td>CA</td>
<td>15,300</td>
<td>109,637</td>
<td>6,510</td>
<td>4,890</td>
<td>SDNID</td>
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<tr>
<td>1993</td>
<td>149.4</td>
<td>CA</td>
<td>15,850</td>
<td>106,602</td>
<td>6,560</td>
<td>4,870</td>
<td>SDNID</td>
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<tr>
<td>1994</td>
<td>151.5</td>
<td>CA</td>
<td>16,200</td>
<td>103,403</td>
<td>6,680</td>
<td>4,900</td>
<td>SDNID</td>
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<td>1995</td>
<td>154</td>
<td>CA</td>
<td>16,400</td>
<td>102,015</td>
<td>6,800</td>
<td>5,120</td>
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<tr>
<td>1996</td>
<td>157.1</td>
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<td>105,865</td>
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<tr>
<td>1997</td>
<td>160.5</td>
<td>CA</td>
<td>16,650</td>
<td>98,728</td>
<td>6,220</td>
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<td>1998</td>
<td>163.7</td>
<td>CA</td>
<td>16,800</td>
<td>104,795</td>
<td>6,330</td>
<td>4,950</td>
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<td>168.5</td>
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<td>16,900</td>
<td>109,927</td>
<td>6,210</td>
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<td>2000</td>
<td>174.8</td>
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<td>108,980</td>
<td>6,130</td>
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<td>181.7</td>
<td>CA</td>
<td>17,195</td>
<td>112,269</td>
<td>6,740</td>
<td>5,250</td>
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<td>186.1</td>
<td>CA</td>
<td>17,100</td>
<td>116,107</td>
<td>8,330</td>
<td>5,620</td>
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<td>2003</td>
<td>190.4</td>
<td>CA</td>
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<td>118,846</td>
<td>6,400</td>
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<td>195.4</td>
<td>CA</td>
<td>17,798</td>
<td>134,286</td>
<td>7,990</td>
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<td>145,694</td>
<td>8,204</td>
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<td>210.5</td>
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<td>145,408</td>
<td>8,600</td>
<td>5,530</td>
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</tbody>
</table>

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

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

   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 **Wasté 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](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 percent equivalent per capita disposal target and rates, and waste diversion program implementation for all California jurisdictions. Diversion program implementation summaries are available at...
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).
☐ 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)
The following table presents overall county disposal, in-county disposal at the Mariposa County Landfill, and out-of-county disposal since 2006:

<table>
<thead>
<tr>
<th>Year</th>
<th>Total County Disposal From EAR (Tons)</th>
<th>In-County Disposal at Mariposa County Landfill From DRS (Tons)</th>
<th>Out-Of-County Disposal (Tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>16,420</td>
<td>15,370</td>
<td>1,050</td>
</tr>
<tr>
<td>2007</td>
<td>14,151</td>
<td>13,855</td>
<td>296</td>
</tr>
<tr>
<td>2008</td>
<td>12,715</td>
<td>12,144</td>
<td>601</td>
</tr>
<tr>
<td>2009</td>
<td>11,330</td>
<td>10,890</td>
<td>440</td>
</tr>
</tbody>
</table>

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.
As currently permitted, the Mariposa County Landfill has capacity for over 500,000 tons of wastes in Modules 1 through 4. Between 2006 and 2016, there was no trend (either increasing, or decreasing) in total disposal tons. The average total disposal tons over this period was approximately 13,000 tons. If one assumes conservatively that the County total disposal will average 15,000 tons per year over the remaining life of the landfill, then the County has over 30 years of disposal capacity at their landfill.

As noted in the 2016 EAR and subsequent communications between the County and CalRecycle, the County is currently evaluating various options for long-term recycling and solid waste management. As the evaluation process progresses, the County will revise the CIWMP either through the EAR, or in a separate process, if necessary.

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:

- **NONE**

*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, landfill tip fees and grants continue to provide sufficient funds for administration of the SE and SP.

☐ 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)*

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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):

- **NONE**
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, the same County positions remain responsible for activities related to recycling and solid waste management.

☐ 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)
The members of the LTF are as follows:

- Two members of the Board of Supervisors.
- One representative of the National Park Service.
- One representative of the Yosemite Concessionaire.
- One Solid Waste Contractor (Franchised Hauler).
- One representative of the County Health Department.
- Two representatives of the County Public Works Department.
- One representative of the Mariposa Unified School District.
- Two public members.

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).
      ☐ Attachment ______ lists changes in the use of nondisposal facilities (based on the current NDFEs).

   c. Countywide Siting Element (SE)
      ☒ 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
      ☒ 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
   - The programs are 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
   - The aforementioned changes in program implementation do not warrant a revision to any of the planning documents. Specifically, the County has documented all changes in the EAR.
   - 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)
   As noted in Section 4.2 above, the County is currently evaluating various options for long-term recycling and solid waste management. As the evaluation process progresses, the County will revise the CIWMP either through the EAR, or in a separate process, if necessary.

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):
NONE

   Analysis
   - There are no significant changes in available markets for recycled materials to warrant a revision to any of the planning documents. Specifically, while there have been not significant changes over the past 5 years, as noted below under "Additional Analysis" significant changes are likely in the future.
   - 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)
   As has been noted in many publications, discussions, and presentations, the new “Waste Ban” implemented by China is likely to have significant impacts on markets for recyclable materials.

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:
NONE
Analysis

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

Additional Analysis (optional)
As noted in Section 4.2 above, the County is currently evaluating various options for long-term recycling and solid waste management. As the evaluation process progresses, the County will revise the CIWMP either through the EAR, or in a separate process, if necessary.

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
As noted in Section 4.2 above, the County is currently evaluating various options for long-term recycling and solid waste management. As the evaluation process progresses, the County will revise the CIWMP either through the EAR, or in a separate process, if necessary.

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:
There are no incorporated cities other jurisdictions in Mariposa County.
SECTION 7.0 REVISION SCHEDULE (if required)
NOT REQUIRED

ATTACHMENTS

Attachment A - LTF Letter