

MARIN COUNTY HAZARDOUS & SOLID WASTE MANAGEMENT
JOINT POWERS AUTHORITY (aka ZERO WASTE MARIN)

Board of Directors Meeting – July 22, 2021
Meeting Online Only Via Zoom – Instructions to Participate on Second Page

2:30 – 3:45 p.m.

Public participation is welcome and encouraged. See instructions for ways to engage in this Public Meeting on the next page.

AGENDA

Call to Order

1. Open Time for Public Comment. (Information Only) 5 Minutes.

Consent Calendar

2. JPA Board Meeting Minutes from May 27, 2021 (Action) 1 Minute.
3. Receive and File FY 2020-21 Zero Waste Grant Recipient Reports (Action) 1 Minute.

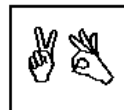
Regular Agenda

4. Appoint Ross Valley Cities Representative to the Executive Committee (Action) 5 Minutes.
5. Zero Waste Plan Update Report Adoption (Action) 45 Minutes.
6. Brief Update and Appoint Replacement to Your Board's Zero Waste Plan Update and Organizational Assessment Subcommittee (Action) 15 Minutes.
7. Adjournment.

The next JPA Board Meeting time and date is scheduled for August 26, 2021 at 2:30 p.m.

- **Agendas & staff reports also available at:** <http://zerowastemarin.org/Agenda>

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All public meetings and events sponsored or conducted by the County of Marin are held in accessible sites. Requests for accommodations may be requested by calling (415) 473-4381 (voice) (415) 473-3232 (TTY) at least **four work days** in advance of the event. Copies of documents are available in alternative formats, upon written request.

Contact the County's Waste Management Division, at (415) 473-6647 for more information

Special Instructions on Public Participation

The Board of Directors welcomes and encourages public participation. Due to the Coronavirus and consistent with State of California Executive Order N-29-20 and the Marin County Public Health Officer's Orders, this Board Meeting will be held via videoconference only. All Board Members will be teleconferencing into the meeting. There will be no in-person physical meeting location. The public can participate in this Marin County Hazardous and Solid Waste Joint Powers Authority (Zero Waste Marin) Board Meeting via a Zoom webinar on July 22, 2021 at 2:30 p.m.

Zoom Meeting:

Click on this link to join the Board Meeting:

<https://marincounty-org-dpw.zoom.us/j/93808084806?pwd=V3RscXI0bUM4MVAwUC9BWVFHNE9iZz09>

- Password: 2MbY3h53

During the Meeting, select the Raise Hand icon during the public comment time and you will be added to the queue and unmuted when it is your turn.

Calling In:

iPhone one-tap :

US: +12133388477,,93486808663#,,1#,05675011# or
+12532158782,,93486808663#,,1#,05675011#

Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 213 338 8477 or +1 253 215 8782 or +1 206 337 9723

- Webinar ID: 934 8680 8663
- Password: 05675011

International numbers available:

<https://marincounty-org-dpw.zoom.us/j/adFrQO2bog>

*If you are "Calling In," press *9 during the public comment time and you will be added to the queue and unmuted when it is your turn. (Press *67 before dialing if you want to hide your phone number.)*

MARIN COUNTY HAZARDOUS AND SOLID WASTE MANAGEMENT JOINT POWERS AUTHORITY

Belvedere

Date: July 22, 2021

Corte Madera

To: JPA Board of Directors

County of Marin

From: Liz Lewis, Interim Executive Director

Fairfax

Re: Open Time for Public Comment

Larkspur

The public is welcome to address the Board of Directors at this time on matters not on the agenda that are within its jurisdiction. Please be advised that pursuant to Government Code Section 54954.2, the Board is not permitted to discuss or act on any matter not on the agenda unless it determines that an emergency exists, or that there is a need to take immediate action which arose following posting of the agenda.

Mill Valley

Novato

Recommendation

Receive public comment. Information Only.

Ross

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San Anselmo

San Rafael

Sausalito

Tiburon

MARIN COUNTY HAZARDOUS AND SOLID WASTE MANAGEMENT JOINT POWERS AUTHORITY

Belvedere Date: July 22, 2021
Corte Madera To: JPA Board of Directors
County of Marin From: Steve Devine, Program Manager
Fairfax Re: Approval of the May 27, 2021 JPA Board Meeting Minutes
Larkspur Please find attached the Draft Minutes from your last meeting.
Recommendation
 Adopt a motion to approve the May 27, 2021 Minutes.

Mill Valley

Novato

Ross

San Anselmo

San Rafael

Sausalito

Tiburon

Board Chair: Please confirm the vote on this item by reading the following items out loud after the vote.

Motion: _____ Second: _____

Ayes: _____

Noes: _____

Abstentions: _____

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**MARIN COUNTY HAZARDOUS & SOLID WASTE
MANAGEMENT JOINT POWERS AUTHORITY**

Board of Directors Meeting
Thursday, May 27, 2021
Meeting Online Only via Zoom
2:30 p.m. – 3:30 p.m.

DRAFT MINUTES

MEMBERS PRESENT

Greg Chanis, Tiburon
Joe Chinn, Ross
Todd Cusimano, Corte Madera
David Donery, San Anselmo
Dan Eilerman, County of Marin (Alt.)
Craig Middleton, Belvedere
Dan Schwarz, Larkspur

MEMBERS ABSENT

Cristine Alilovich, San Rafael (Alt.)
Adam McGill, Novato
Alan Piombo, Mill Valley
Marcia Raines, Sausalito
Garrett Toy, Fairfax

STAFF PRESENT

Steve Devine, Program Manager
Liz Lewis, Interim Exec. Director
Casey Poldino, Senior Planner
Kishanna Townsend, Admin.
Services Associate

LTF MEMBERS PRESENT

Molly DeVries, LTF Southern Marin
Renee Goddard, LTF Chair Ross Valley
Dee Johnson, LTF Vice Chair Nov. San.
Vicki Nichols, LTF, Marin Cons League

OTHERS PRESENT

Cory Bytof, City of San Rafael
Belle Cole, Biomass Recovery Project

1. Open Time for Public Comment

Ms. DeVries shared that she is starting a reusable cup and container program here in Marin called CommUnity Cup, starting up this summer and piloting in Mill Valley. She is requesting support from the community and you can visit their website at www.communitycup.earth.

Ms. Cole shared on behalf of the Biomass Recovery Project and re-iterated what she had shared in the last JPA Board meeting (refer to the minutes from the 4/22 meeting) which is the project should include a climate change goal of reaching zero net carbon emissions by a certain date, and should provide feasible pathways to achieve this goal, such as converting organics into compost renewable electricity via biochar production. She encourages the focus on organics, especially woody biomass and approaches to SB 1383 implementation. She would also like add the value of a biomass inventory for all the jurisdictions, the region, and the County.

Consent Calendar

2. Approval of the JPA Board Meeting Minutes from April 22, 2021

Motion: by Mr. Eilerman to approve the JPA Board Meeting Minutes from April 22, 2021. Second: by Mr. Cusimano. Vote: Unanimous.

3. Item Removed from Agenda

This item has been removed from the Agenda and deferred to a later Board date.

Regular Agenda

4. Fiscal Year 2021-22 Budget and Related Hauler/Facility Assessments in Proposed Resolution No. 2021-01

Mr. Devine introduced the Fiscal Year 2021-22 budget, which would enact the associated assessments. He stated that the Board adopted a budget development schedule and process at the February 25 meeting, which included appointing a Budget Subcommittee of Chair Toy and Directors Alilovich, Donery and Eilerman. Staff worked with the Subcommittee to develop a draft budget which was reviewed by the full Board at last month's April 22 meeting. The Board approved bringing forward that same budget to today's meeting with no changes for final review and approval. Rather than repeat the presentation on the budget, staff was prepared to answer any questions from the Board. He noted that the recommended action is to adopt the Budget and associated resolution which will enact the assessments to fund the Agency.

Motion: by Mr. Eilerman to adopt the Fiscal Year 2021-22 Budget and related Hauler/Facility Assessments in Proposed Resolution No. 2021-01. Second: by Mr. Middleton. Vote: Unanimous.

5. Fiscal Year 2021-22 Zero Waste Grant Program

Ms. Poldino, Senior Planner, delivered a presentation on Fiscal Year 2021-22 Zero Waste Grant Program. She shared that the program is in its eleventh cycle and is the fifth year with a \$350,000 allotment. Grant funds are disbursed among the member Agencies and Special Districts that franchise solid waste – based on population. Looking back at last year, nine of the eleven Cities and Towns receive grants, and six of the nine Special Districts. The current cycle is ending tomorrow, May 28, and reports from the Agencies have been coming in, along with questions regarding leftover funds due to the pandemic. If there are Agencies who have not used these leftover funds, they are allowed to do so. No other changes for this fiscal year are noted. Staff recommends the adopt a motion to approve the Fiscal Year 2021-22 Zero Waste Grant Program and Budget and welcomed questions from the Board.

Motion: by Mr. Chinn to approve the Fiscal Year 2021-22 Zero Waste Grant Program and Budget. Second: by Mr. Donery. Vote: Unanimous.

6. Fiscal Year 2021-22 Compliance Reimbursement Fund

Mr. Devine introduced the Fiscal Year 2021-22 Compliance Reimbursement Fund, which is intended to assist the 21 franchising entities be better equipped to address more recent State of California legislation, particularly focused on the nexus between solid waste and greenhouse gas reduction. Despite the relatively small size of Marin County, the County has a very fractured solid waste system, with 21 different public agencies holding franchises for private haulers and one public. In order to help address some of this complexity, but provide focus, with addressing new State legislation (SB 1383, in particular), the public agencies are generally organizing themselves by hauler to help address some of these upcoming opportunities and challenges. By doing this, it allows the groups to customize the work necessary, working with their haulers, particularly the different strengths and weaknesses in each, and utilizing the appropriate consultants while addressing the differences between Cities, Towns and Special Districts. There is a draft notice of funds available in the Staff Report, which will be disbursed to each of the Cities, Towns and Special Districts that franchise solid waste collection. It describes the general push for the program. There are two existing projects already in place, the Marin Sanitary Franchiser's Group, and the Mill Valley Refuse Franchiser's Group. The entities that use those particular haulers are already aligned to retain consultants. Attachment 2 is the reimbursement request form to complete work in the upcoming fiscal year. Attachments 3, 4, 5 and 6 are different summaries of the four main bills that have come up over the past few years that are really requiring the public agencies to do quite a bit more work addressing solid waste matters. Staff recommends that the Board approve the program and funding reimbursement procedures and is requesting feedback for adjustments to the forms from the Board before they are released.

Motion: by Mr. Cusimano to approve the Fiscal Year 2021-22 Compliance Reimbursement Fund and authorize the Executive Director to administer the program consistent with the intent of the procedures outlined in the Report.
Second: by Mr. Chinn. Vote: Unanimous.

7. Delegate Signature Authority for Certain Contracts to the Executive Director

Mr. Devine introduced the proposal to delegate signature authority for certain contracts to the Executive Director over \$50,000 in order to comply with County procurement policies, and to also provide oversight for the Agency. This is a typical item presented each year. There are five contracts that Staff has contemplated for the year; four of them are routine for the Agency going forward. The first is to help implement the used oil payment program from the State of California; the second is to help us to leverage the Agency's resources to implement the Zero Waste Schools Program; the third is for a vendor that performs the collection and processing of household hazardous waste, particularly bulbs and batteries from local hardware stores and other stores in Marin; the fourth is for outreach and advertising; and lastly, the fifth is for a software system to help facilitate all the new reporting requirements for SB 1383 up to CalRecycle. Staff recommends adopting a motion to approve to delegate

signature authority to the Executive Director for the contracts as described here with payment limit caps, as noted.

Motion: by Mr. Middleton to approve to delegate signature authority for certain contracts to the Executive Director. Second: by Mr. Eilerman. Vote: Unanimous.

8. Elect Southern Marin Cities & Ross Valley Reps. To the Executive Committee
Ms. Lewis presented to the Board that this is the time of year, per Section 7.4 of the Joint Powers Agreement, which specifies that there is a five-member Executive Committee who each serves a two-year term. Three of the members are prescribed to be representatives of the at-large group, City of San Rafael, City of Novato, and the County, and the remaining two members represent the Southern Marin Cities (Sausalito, Tiburon, Belvedere and Mill Valley) and the Ross Valley Cities (Ross, San Anselmo, Fairfax, Larkspur and Corte Madera). Staff recommends that the Board adopt a motion appointing or re-appointing a Southern Marin Cities Board member to the Executive Committee, and that the Board adopt a motion appointing or re-appointing a Ross Valley Cities Board member to the Executive Committee.

Motion: by Mr. Middleton to re-appoint Mr. Chanis as the Southern Marin Cities member to the Executive Committee. Second: by Mr. Cusimano. Vote: Unanimous.

Motion: by Mr. Schwarz to re-appoint Mr. Toy as the Ross Valley Cities member to the Executive Committee. Second: by Mr. Cusimano. Vote: Unanimous.

9. Elect Board Chair and Vice Chair

Motion: by Mr. Chinn to appoint Mr. Chanis as Chair to the JPA Board. Second: by Mr. Middleton. Vote: Unanimous.

Motion: by Mr. Cusimano to appoint Mr. McGill as Vice Chair to the JPA Board. Second: by Mr. Schwarz. Vote: Unanimous.

10. Adjourn

The next scheduled JPA Board Meeting will be July 22, 2021 at 2:30 p.m.

Board Chair: Please confirm the vote on this item by reading the following items out loud after the vote.

Motion: _____ Second: _____

Ayes _____

Noes: None _____

Abstentions: None _____

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MARIN COUNTY HAZARDOUS AND SOLID WASTE MANAGEMENT JOINT POWERS AUTHORITY

Belvedere Date: July 22, 2021

Corte Madera To: JPA Board Members

County of Marin From: Casey Poldino, Senior Planner

Fairfax Re: Receive and File - FY 2020/21 Zero Waste Grant Recipient Reports

Larkspur The Zero Waste Grant Program facilitates individualized projects in Marin's many unique communities to help move towards zero waste.

Mill Valley The Program grants a total of up to \$350,000 to the cities, towns and special districts that franchise solid waste collection, according to population. Attached are the Zero Waste Grant Reports for FY 2020/21 from Member Agencies of the Marin County Hazardous and Solid Waste Joint Powers Authority Board of Directors.

Novato

Ross The Grant program continues to be very popular as it goes into its 11 year and has resulted in many innovative zero waste grant endeavors.

San Anselmo

San Rafael **RECOMMENDATION**
Adopt a Motion to receive and file the attached FY 2020/2021 Zero Waste Grant Program Reports.

Sausalito

Tiburon Attachments:

1. Zero Waste Grant Reports

Board Chair: Please confirm the vote on this item by reading the following items out loud after the vote.

Motion: _____ Second: _____

Ayes: _____

Noes: _____

Abstentions: _____

ZERØWASTEMARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

_____Alto Sanitary District_____

B. Recipient's representative and contact information: (Please print all information)

Name: _____
 Bill Hansell

Title: _____
 District Manager

Address: _____
 PO Box 163

City, Zip: _____
 Mill Valley, CA 94942

Phone: _____
 415-388-3696

E-mail: _____
 manager@altosanitarydistrict.org

C. Grant Amount

\$ 5,000.00

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
AB 1826 Outreach/Compliance Project	Use of fund allocation to produce community outreach materials to support food waste prevention and Recycle Right education, as described in the attached proposal from Erin Duckhorn Marketing. Two of the three mailers have been created, also attached, and will be mailed in mid-July and mid-August. A third mailer is being designed and will be sent out in Mid-September.	The proposal estimates \$4,880 will be used but final confirmation is pending billing by Unicorn Group for printing and postage receipts.	See the "Let's Compost Right Alto" mailer for the note that "231 tons were collected and composted from Alto residents in 2019"; and the "Let's Recycle Right Alto" mailer for the note that 129 tons of paper and container recycling materials were collected from Alto in 2019."

Totals: \$4,880

**231 tons compost
129 tons recycling**

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X



Signature of Grant Recipient Representative

07/06/2021

Date

Bill Hansell

District Manager

Print Name

Print Title



RECYCLE RIGHT ALTO

Utilizing Zero Waste Marin's grant funds, we will produce a campaign distributed over a three month period consisting of two 4-page RECYCLE RIGHT ALTO mailers, and a single page "5 Ways to Recycle Right" flier each focused on educating residents about the environmental impact of recycling with practical sorting and preparation tips aimed at improving recycling rates.

4-PAGE RECYCLE RIGHT CONTAINER/PAPER FLIER MAILED TO ALL ALTO RESIDENTS

June
print/mail - \$1,200



4-PAGE RECYCLE RIGHT ORGANICS/COMPOST FLIER MAILED TO ALL ALTO RESIDENTS

July
print/mail - \$1,200



5 WAYS TO RECYCLE RIGHT FLIER MAILED TO ALL ALTO RESIDENTS

August
print/mail - \$980

RECYCLE RIGHT CONTAINER/PAPER 4-page (11x17 folded) flier

Content:

- Infograph with recycling facts/figures for larger context of why we recycle
- Accepted / not accepted curbside container & paper recycling materials
- Tips about how to recycle correctly (rinsing, bundling, etc.)
- Briefly describe California laws that pertain to recycling (341, 827); QR code to CalRecycle for more info
- Link and QR code to MVRS *What Goes Where* online tool that tells customers how material should be disposed of and in which curbside container
- Link and QR code to MVRS dual stream pick up calendar

Timing: Print and mail in June

RECYCLE RIGHT ORGANICS/COMPOST 4-page (11x17 folded) flier

Content:

- Infograph with organics recycling facts/figures for larger context of why we recycle organic material
- Briefly describe California laws that pertain to organics recycling (1826, 1383); QR code to CalRecycle for more info
- Accepted / not curbside organics
- Link and QR code to MVRS *What Goes Where* online tool that tells customers how material should be disposed of and in which curbside container
- Link and QR code to MVRS dual stream pick up calendar

Timing: Print and mail in July

5 WAYS TO RECYCLE RIGHT 1-page (8.5 x11 folded) flier

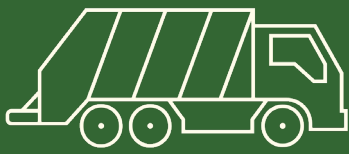
Content:

- 5 Ways to Recycle Right (Not bagging recyclables, rinsing food residue, etc. we can get MVRS to help us identify the biggest mistakes they see so we can address them.)
- General Sorting Reminder (what goes into each cart)
- Link and QR code to MVRS *What Goes Where* online tool that tells customers how material should be disposed of and in which curbside container

Timing: Print and mail in August

PROJECT COSTS

Two 4-page Recycle Right fliers print & mail; paid to Unicorn Printing (based on April quote).....	\$2,400.00
One 5 Ways to Recycle Right flier print & mail; paid to Unicorn Printing (based on April quote).....	\$ 980.00
Design, content creation, printing coordination; paid to Erin Duckhorn	\$1,500.00
Total	\$4,880.00



231 TONS

of compost materials were collected and composted from Alto residents in 2019.

Source: Mill Valley Refuse Service



LET'S COMPOST RIGHT ALTO

Rising levels of greenhouse gases in the Earth's atmosphere are causing changes in our climate. **Waste prevention and composting are real ways to help mitigate climate change.** This guide, produced by the Alto Sanitary District Board with a grant from Zero Waste Marin, will help you learn how to reduce food waste and compost right.

6 MILLION TONS

of food scraps or food waste are thrown away (landfilled) by Californians each year.

Source: CalRecycle



WHY COMPOST?

When landfilled, organic waste decomposes and generates methane, a greenhouse gas contributing to climate change. The good news is that organics are readily recyclable into soil amendments like compost, mulch, and liquid fertilizers, as well as biofuel, a renewable natural gas.

Source: CalRecycle

California must achieve a
75% REDUCTION
in the amount of organic waste disposed
of in landfills by 2025.

Source: CalRecycle - SB 1383

Food accounts for
30%
of waste landfilled in
Marin and Sonoma.

Source: The Redwood Landfill



Redwood Landfill creates over
65,000 TONS
of compost a year which
is used by local residents,
landscapers, and gardeners.

Source: The Redwood Landfill



10 WAYS TO REDUCE FOOD WASTE

1. COMPOST

If you aren't set up for backyard composting, it's important that you utilize your curbside compost service. Your organic waste will be diverted from the landfill to create a rich and nutritious soil amendment that can be put back in the earth, closing the recycling loop.

2. USE A KITCHEN CONTAINER

Collect your food scraps and food-soiled paper items in kitchen pails, bowls, or bins and then transfer the food scraps to your curbside compost cart along with your yard waste. The best kind is a kitchen container with a wide mouth so it's easy to scrape into, a tight-fitting lid to keep odors at a minimum, and a handle so you can easily transfer its contents to your curbside cart.

3. SHOP WITH A LIST

Sticking to a list will help you avoid food waste. Take inventory of what you have, plan your meals and shop with a detailed shopping list based on what you actually need.

4. FIRST IN, FIRST OUT

A convenient way to avoid spoiling or wasting food is to use a First-in First-out method for food storage. Sort foods by expiration, earliest dates in front of those with later dates so you're sure to use up food before it goes bad.

5. FREEZE IT

Freezing is a great way to store most foods to keep them from going bad until you are ready to eat them. Use the FoodKeeper tool on www.foodsafety.gov for information on how to safely store different foods to maintain freshness and quality.

6. BLEND IT

Overripe or past-their-prime fruit and veggies make great, nutritional smoothies. Even the pickiest eaters won't notice imperfections when blended into a delicious drink.

7. MAKE STOCK

Excess food scraps like chicken carcasses or past-their-prime veggies can be made into broth or stock. Freeze in measured amounts and you'll have nutritious homemade broth ready for your next soup.

8. PACK YOUR LUNCH

Avoid creating excess food and single-use packaging waste by making and packing your own lunch. Invest in quality, reusable containers that will help you make the most of the food you already have.

9. BUY LOCAL

When you buy locally-produced food, you support family farmers and small businesses in your community. You also help fight pollution by reducing delivery distances for trucks and other vehicles. Marin has plenty of bountiful Farmers Markets including the Friday Mill Valley Farmers Market at the Alto Shopping Center.

10. DONATE EXCESS FOOD

You can donate a variety of foods to different types of organizations in Marin. The Marin Health & Human Services website (www.marinhhs.org) has an up-to-date Community Resource Guide for donation opportunities.



CURBSIDE COMPOSTING TIPS

WHAT GOES IN YOUR GREEN COMPOST RECYCLING CART

FOOD SCRAPS

- Fruits
- Vegetables
- Meat
- Poultry
- Seafood & shellfish
- Bones
- Rice
- Beans
- Pasta
- Breads & Grains
- Cheese
- Eggshells
- Coffee grounds

FOOD-SOILED PAPER

- Plate scrapings
- Leftovers
- Paper napkins & towels
- Paper plates & cups
- Coffee filters & tea bags

YARD & GARDEN WASTE

- Leaves
- Flowers
- Grass & weeds
- Houseplants
- Trimmings



AVOIDING THE "ICKY" FACTOR



Frequently wiping out your kitchen compost container will help avoid that pungent compost smell. Use a paper towel and drop it in the container when you're done. In your green curbside cart, try layering dry yard waste and wet food waste to contain odors. When you don't have yard waste, putting a layer of newspaper or shredded paper at the bottom of the cart, and bagging food scraps in a PAPER (*never plastic*) shopping bag is an option. Keeping the lid closed at all times holds odors in, even if the interior smells between pickups.

NOT SURE IF IT'S COMPOSTABLE?

Use Mill Valley Refuse Service's "What Goes Where" tool to find out at www.millvalleyrefuse.com.

AVOID CONTAMINATING YOUR COMPOST

Alto's compost is collected by Mill Valley Refuse Service and transported to The Redwood Landfill Recycling Center in Novato where it is processed into Homegrown Compost which you can purchase directly from The Redwood Landfill's WM EarthCare™ Center in Novato. This compost is approved for organic farming and therefore has strict requirements about contamination.

PLEASE KEEP THESE ITEMS OUT OF YOUR COMPOST CART

- Paper cups
- Paper ice cream cartons
- Milk cartons
- Liquids
- Styrofoam®
- Glass
- Metals & foil
- Plastic bags & containers
- Biodegradable/Compostable plastics bags
- Plastic flower pots
- Plastic trays
- Diapers
- Cat litter
- Animal waste
- Rocks & dirt



Alto Sanitary District
PO Box 163
Mill Valley, CA 94942

CALIFORNIA RECYCLING LAWS ADDRESS CLIMATE CHANGE



California has enacted several laws requiring businesses (including public entities) and some apartments to recycle and compost in an effort to protect our natural environment and prevent climate change. You can learn more about these laws at CalRecycle.ca.gov or by visiting the website of Mill Valley Refuse Service, Alto's waste and recycling hauler at www.millvalleyrefuse.com.

MANDATORY RECYCLING

AB 341 requires that a business (includes public entities) that generates four (4) cubic yards or more of commercial solid waste per week and multifamily complexes of five (5) or more units must arrange for recycling services.

MANDATORY ORGANICS RECYCLING

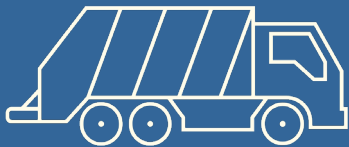
AB 1826 requires that a business (includes public entities) that generates two (2) cubic yards or more of waste and recyclables per week must arrange for organic waste recycling services.

COMMERCIAL ORGANICS & RECYCLING BINS

AB 827 requires that businesses subject to AB 341 and AB 1826 provide bins to customers for collecting organics and recycling alongside trash bins.

SHORT-LIVED CLIMATE POLLUTANTS

AB 1383 sets statewide targets to reduce disposal of compostable waste in our landfills. It also includes goals for the recovery of edible food.



129 TONS

of paper and container recycling materials were collected from Alto residents in 2019.

Source: Mill Valley Refuse Service



LET'S RECYCLE RIGHT ALTO

Rising levels of greenhouse gases in the Earth's atmosphere are causing changes in our climate. **Waste prevention and recycling are real ways to help mitigate climate change.** This guide, produced by the Alto Sanitary District Board with a grant from Zero Waste Marin, will help you learn how to reduce, reuse, and recycle right.



28.9 MILLION

tons of material was recycled in California in 2019.

Source: CalRecycle



In 2019, California had a

37% RECYCLING RATE

Source: CalRecycle

WHY RECYCLE?

By eliminating the need to manufacture new products from raw materials, recycling reduces energy use, in turn reducing carbon dioxide and other greenhouse gases in the air.



The U.S. National Recycling Goal is
50% BY 2030.

Source: epa.gov



For every 10 pounds of aluminum you recycle, you eliminate 37 pounds of carbon emissions from the air.

Source: CalRecycle

For every 10 pounds of clear plastic water or soda bottles you recycle, 3.3 pounds of carbon emissions disappear.

Source: CalRecycle



10 WAYS TO REDUCE & REUSE

1. BUY MINDFULLY

When you buy something, you're creating demand for that thing, as well as creating demand for its journey of production and the waste that comes along with it. Before you purchase something, stop and consider if you really need it, how much packaging it comes with, and what will happen to it when it's time to dispose of it.

2. USE YOUR OWN CUP

Fifty billion water bottles are used every year in the U.S. By using a reusable water bottle, you can save an average of 156 plastic bottles annually. Make it easy to refuse single-use cups by keep a reusable water bottle and coffee cup in your car.



3. CHOOSE CANS OR GLASS

Even though plastic bottles, jugs, and tubs are recyclable in Alto's curbside recycling program, plastic shouldn't be your first choice. Aluminum and glass are infinitely recyclable and a much better option. They can be recycled endlessly without loss in quality or purity. When you have a choice, please buy food in cans or glass rather than plastic.

4. SWITCH TO CLOTH



Americans throw away 3,000 tons of paper towels a year. Switching to reusable kitchen towels and napkins is an easy way to reduce waste and save money.

5. FIRST, REPAIR IT

Got a broken appliance or piece of furniture? Don't just toss it. Support a local repair shop or learn to fix it yourself by watching online repair tutorials. A good place to start is fixitclinic.org.

6. USE REUSABLE BAGS FOR EVERYTHING

Reusable bags are great for more than just produce and groceries. Stash them in your car or purse and use them on every shopping excursion. If you forget your bags, be sure to ask for paper bags (they are recyclable).



7. GO PAPERLESS

Signing up for e-bills and auto-payments makes it easy to pay your re-occurring bills without the excess paper piling up.

8. BUY IN BULK & SHOP FARMERS MARKETS



Minimize the amount of overall packaging you consume by bringing reusable containers to the store and buying dry goods in bulk. Support local farmers at Marin's bountiful Farmers Markets including the Friday Mill Valley Farmers Market at the Alto Shopping Center.

9. BRING FOOD CONTAINERS

When you bring your own reusable to-go container to restaurants, you eliminate the need for single-use containers and save the restaurant money too. Having a BBQ or party? Be sure to remind guests to bring their own containers for leftovers.

10. SHOP SECONDHAND



The fashion industry is a major contributor to water pollution, plastic pollution, and greenhouse gas emissions. Donate usable clothing and shop from thrift/charity shops to break this cycle and save money too.

CURBSIDE RECYCLING TIPS

WHAT GOES IN YOUR PAPER RECYCLING CART

- Office paper (any color)
- Newspaper & magazines
- Junk mail and catalogs
- Cardboard (flattened)
- Paperboard (like cereal & shoe boxes)
- Paper tubes & egg cartons
- Shredded paper in a paper bag

PAPER RECYCLING TIPS

- Your brown curbside recycling cart with the blue lid is for clean paper and cardboard material only.
- Remove plastic lining, bags, or wrapping (those go in trash).
- Paper items should be clean and dry before you place them in your cart.
- Got extra cardboard? Pack it in 4'x4'x4' bundles or smaller tied with twine or string (no plastic tape). Set bundles next to cart on pickup day.



WHAT GOES IN YOUR CONTAINER RECYCLING CART

- Glass bottles & jars (remove metal lids and leave loose in cart)
- Aluminum cans & foil
- Plastic bottles, tubs & jugs (okay to leave caps on)
- Tin & bi-metal cans and food trays
- Pressurized aerosol cans (empty)
- Paint cans (empty)

CONTAINER RECYCLING TIPS

- Your brown curbside recycling cart with the brown lid is for containers only.
- Wipe/rinse off any residue from containers and make sure they are empty and dry.
- Ignore the number in the triangle stamped on a plastic item, it doesn't indicate recyclability. Only hard, rigid plastics such as bottles, tubs, and jugs are accepted in your curbside recycling.



NOT SURE IF IT'S RECYCLABLE? Use Mill Valley Refuse Service's "What Goes Where" tool to find out at www.millvalleyrefuse.com.

AVOID CONTAMINATING YOUR RECYCLING

Contamination occurs when 1) any non-recyclable items are mixed in with recyclables 2) paper recyclables and container recyclables are mixed together in a single curbside recycling cart or 3) when recyclable items are prepared the wrong way and put in your curbside recycling. Recycling contamination makes processing recyclables difficult, increases costs, and reduces the efficacy and environmental promise of recycling.

PLEASE KEEP THESE ITEMS OUT OF RECYCLING. THEY GO IN TRASH.

- Plastic clamshell containers
- Plastic and paper to-go cups
- Gable-top cartons (like milk cartons)
- Aseptic boxes (like soy milk cartons)
- Styrofoam®
- Compostable plastic
- Plate glass, windows or mirrors
- Ceramics, dinnerware
- Plastic bags and plastic film (wrap)
- Juice bags & pouches
- Waxed or plastic-coated paper or cardboard
- Paper towels or tissues
- Wrapping paper
- Food-soiled paper
- Mailing envelopes with plastic padding
- Disposable masks



ALTO CURBSIDE RECYCLING GUIDE

CALIFORNIA RECYCLING LAWS ADDRESS CLIMATE CHANGE



California has enacted several laws requiring businesses (including public entities) and some apartments to recycle and compost in an effort to protect our natural environment and prevent climate change. You can learn more about these laws at CalRecycle.ca.gov or by visiting the website of Mill Valley Refuse Service, Alto's waste and recycling hauler at www.millvalleyrefuse.com.

MANDATORY RECYCLING

AB 341 requires that a business (includes public entities) that generates four (4) cubic yards or more of commercial solid waste per week and multifamily complexes of five (5) or more units must arrange for recycling services.

MANDATORY ORGANICS RECYCLING

AB 1826 requires that a business (includes public entities) that generates two (2) cubic yards or more of waste and recyclables per week must arrange for organic waste recycling services.

COMMERCIAL ORGANICS & RECYCLING BINS

AB 827 requires that businesses subject to AB 341 and AB 1826 provide bins to customers for collecting organics and recycling alongside trash bins.

SHORT-LIVED CLIMATE POLLUTANTS

AB 1383 sets statewide targets to reduce disposal of compostable waste in our landfills. It also includes goals for the recovery of edible food.

ZERØWASTEMARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

_____ Bolinas Community Public Utility District _____

B. Recipient's representative and contact information: (Please print all information)

Name: _____ Belle Wood _____

Title: _____ Administrative Assistant _____

Address: _____ P.O. Box 390 _____

City, Zip: _____ Bolinas, 94924 _____

Phone: _____ 415-868-1224 _____

E-mail: _____ bwood@bcpud.org _____

C. Grant Amount

\$ _____ 5000.00 _____

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Recycling improvement, Bolinas Community Center	Work was not performed due to lack of community activities for the 2020/21 year because of the Covid-19 pandemic.	\$0.00	

Totals: \$ 0 Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X



Signature of Grant Recipient Representative

6/21/21

Date

Belle Wood

Print Name

Admin. Assist

Print Title

To:	Ms. Lorena Barrera, Town of Corte Madera
From:	Claire Wilson, R3 Consulting Group, Inc.
Date:	May 26, 2021
Subject:	AB 1826 Technical Support Memorandum

Overview

This memorandum provides a summary of the services provided by R3 Consulting Group (R3) as a part of the AB 1826 Technical Assistance Project for the Town of Corte Madera (Town). R3 Consulting Group, Inc. (R3) worked closely with Town staff over the past four years utilizing the Zero Waste Marin grant program to provide on-site technical assistance. For this years' 2020-2021 project, R3 developed a project scope focused on education and outreach collateral that can be provided to businesses and residents as AB 1826 and SB 1383 resources.

Due to the COVID-19 pandemic and the inability to conduct site visits during the duration of the project, the primary purpose of R3's engagement was focused on providing Town businesses with education and outreach tools for preparation and compliance with State legislation AB 1826, AB 827, and SB 1383. This included updating the Town's signage on indoor garbage, recycling, and organics containers in both English and Spanish, developing a press release for SB 1383 requirements, and designing an infographic for edible food recovery requirements. Additionally, R3 worked with Mill Valley Refuse Service (MVRS) to monitor AB 1826 covered generators.

Summary of Technical Assistance Provided

Identification of Covered Generators

In September 2020, CalRecycle made the determination under AB 1826 that all businesses and multi-family residential dwellings of five units or more that generate two or more cubic yards of solid waste must subscribe to organics recycling. This change made more businesses subject to AB 1826. As such, R3 requested subscription data from MVRS to create a sortable workbook for identification of covered generators under AB 1826. Overall, the Town's total number of covered generators increased from R3's previous identification, from 70 to 109 total covered businesses and multi-family properties. Out of the 109 total covered generators, 64 are in compliance with AB 1826 under the new threshold.

Redesign of Town Solid Waste Signage

In redesigning the Town's solid waste signage, R3 drew upon observations and feedback from our prior project work with the Town that initially developed and distributed signage to businesses and multi-family complexes. As such, signage was updated with pictures of accepted materials in the recycling, organics, and garbage containers. Language on the signage was updated and written in both English and Spanish. The Town will be able to provide the updated signage to businesses and multi-family complexes in both physical and digital format. Copies of the signage can be found in Attachment 1.

Development of Organics Educational Collateral

In addition to signage, R3 worked with the Town to develop and create three pieces of educational collateral related to organics recycling, upcoming legislative requirements, and best practices. These included:

- » Food Donation Information Flyer based on recommendations from the Town's Zero Waste Plan and SB 1383 requirements;
- » SB 1383 Business and Multi-family Property Information Infographic; and
- » Updated Waiver Forms for AB 1826 and SB 1383 for self-haul and applicable exemptions.

Copies of final outreach materials can be found in Attachments 2, 3, and 4.

Recommendations

R3 recommends the Town continue to utilize its Zero Waste Marin grant funding to increase generator compliance with AB 1826 and SB 1383 in the 2021-2022 grant cycle. As SB 1383 becomes effective January 1, 2022, on-site technical outreach to all residents, businesses, and multi-family properties (particularly those who were not have been covered under AB 1826) will be required in achieving compliance. R3 recommends restarting site visits to affected customers once on-site visits are feasible.

Zero Waste Marin Reporting

Please use Table 1, below, for direct reporting for Zero Waste Marin. Funds used are based on billed time from R3's records.

Table 1 – Zero Waste Marin Report

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
AB 1826 Technical Support	Identification of covered generators, developed and creation of bi-lingual signage, SB 1383 infographic, food donation information flyer, and updated wavier forms.	\$11,857.50	~15

ZERØWASTE MARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

_____ County of Marin _____

B. Recipient's representative and contact information: (Please print all information)

Name: _____ Casey Poldino _____

Title: _____ Senior Planner _____

Address: _____ 3501 Civic Center Dr _____

City, Zip: _____ SR 94903 _____

Phone: _____ 415.473.6170 _____

E-mail: _____ cpoldino@marincounty.org _____

C. Grant Amount

\$ _____ \$67,703 + unused funds from previous cycle of \$34,191 + money not used by SDs of \$15,000 = \$116,894 total available funds _____

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Zero Waste food storage kits	Create a fun and useful ZW Food Storage Kit using a local SR business for employee Earth Day gifts. This aligns with our food recovery and SB 1383 goals.	\$48,631.71	
Water Refill Stations	Work with COM Parks and Open Space on installing water refill stations in four of their heavily used Parks. Increases awareness of not using single use water bottles and provides water for hikers and bikers.	\$49,999	
Waste stations	Landfill, recycle, and compost stations for the Civic Center	\$6,012.14	
Tote bags	Reusable tote bags for the public	\$10,282.19	

Totals: \$116,040.61 Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X Casey Poldino
Signature of Grant Recipient Representative

Date 5.15.21

Casey Poldino
Print Name

Senior Planner
Print Title

ZERO WASTE MARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

TOWN OF FAIRFAX

B. Recipient's representative and contact information: (Please print all information)

Name: Michele Gardner

Title: Town Clerk/Assistant to the Town Manager

Address: 142 Bolinas Road

City, Zip: Fairfax, CA 94930

Phone: 415-458-2343

E-mail: mgardner@townoffairfax.org

C. Grant Amount

\$12,145.38

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Zero Waste Outreach Program	Work was not completed due to the pandemic.	0	0

Totals: \$ _____ Tons _____

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

x Michele R

Signature of Grant Recipient Representative

6/4/21

Date

Michele Gardner

Print Name

Town Clerk / Asst. to Town Manager

Print Title

ZERØWASTEMARIN

Exhibit C

Cycle 7

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

Las Gallinas Valley Sanitary District

B. Recipient's representative and contact information: (Please print all information)

Name: Dale McDonald

Title: Administrative Services Manager

Address: Las Gallinas Valley Sanitary District
101 Lucas Valley Road, Suite 300

City, Zip: San Rafael, CA 94903

Phone: 415-526-1519

E-mail: dmcdonald@lgvdsd.org

C. Grant Amount

\$ 9,380

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also please estimate the tonnage of materials diverted or not consumed as a result of the project.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

(See Grant Guidelines – Exhibit A to find a list of suggested Projects)

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
AB 1826 Technical Support	Identification of covered generators, development and creation of SB 1383 infographic and updated website content.	\$5,552.50	~5

Totals: \$5,552.50 5 Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X Dale McDonald
Signature of Grant Recipient Representative

5/27/21
Date

Dale McDonald
Print Name

Administrative Services Manager
Print Title

ZERØWASTEMARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

Marin City Community Services District

B. Recipient's representative and contact information: (Please print all information)

Name: Don Lancaster

Title: Interim General Manager

Address: P.O. Box 366

City, Zip: Sausalito, CA 994965

Phone: (415) 332-1441

E-mail: dlancaster@marincitycsd.com

C. Grant Amount

\$ 5,000.00

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Marin City Zero Waste	MCCSD completed its Zero Waste effort. During the pandemic, MCCSD received a lot of food items in recyclable materials. MCCSD ensured that all materials generated from our food service was recycled, resulting in zero waste.	\$1,000.00	3 Tons
State compliance with recycle requirements	MCCSD complied with state recycling laws and, using its refuse services, it has ensured that Marin City residents recycle when providing materials for disposal.	\$2,000.00	10 tons.
Composting classes	MCCSD, through its International Garden, has hosted composing classes with its youth group and seniors.	\$2,000.00	1 tons.

Totals: \$5,000.00 14 Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X/s/Don Lancaster
Signature of Grant Recipient Representative

May 25th, 2021
Date

Don Lancaster
Print Name

Interim General Manager
Print Title

ZERØWASTEMARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

City of Mill Valley

B. Recipient's representative and contact information: (Please print all information)

Name: Danielle Staude

Title: Senior Planner

Address: 26 Corte Madera

City, Zip: Mill Valley, CA

Phone: 414-302-6520

E-mail: dstaude@Cityofmillvalley.org

C. Grant Amount

\$ 24,087.21 + 14,276.61 (FY 19/20 rollover)

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Compliance with AB1826	Outreach to businesses, compliance reporting, signing up businesses for recycling and compost program and educational video. 2 exemptions filed and 5 new businesses signed up.	\$17,312.50	30 CY/day per new business signed up

Totals: \$ 17,312.50 30 CY/day

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X Danielle Stauder
Signature of Grant Recipient Representative

June 22, 2021
Date

Danielle Stauder
Print Name

Senior Planner
Print Title

ZERØWASTEMARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

Town of Ross

B. Recipient's representative and contact information: (Please print all information)

Name: Richard Simonitch

Title: Public Works Director

Address: P.O. Box 320

City, Zip: Ross, CA 94957-0320

Phone: (415) 453-1453 ext 115

E-mail: rsimonitch@townofross.org

C. Grant Amount

\$ 9,185.80

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Reusable coffee mugs	Alternative to shopping bags which the Town has a surplus of, the Town purchased 48 "Dagon Wheat Straw Mug with stainless liner" reusable coffee mugs made with sustainable wheat straw material.	\$710.88	1,104 lbs/yr
Reusable Water Bottles	Purchased 132 reusable 17 oz. water bottles	\$1,776.68	23,760 plastic water bottles diverted from waste stream (180 bottles per person per year)
Trash and Recycling Receptacles	2 nd 50% payment: Purchased 3 new trash and 2 dual-trash/recycling receptacles at Town Park and open space locations. 32gal	\$4,820.30	23 tons/yr were credited already in FY19-20

Totals: \$ 7,307.86 0.8 Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X  Signature of Grant Recipient Representative

May 28, 2021
Date

Richard Simonitch
Print Name

Public Works Director
Print Title

REFERENCE NO.	DESCRIPTION	INVOICE DATE	INVOICE AMOUNT	DISCOUNT TAKEN	AMOUNT PAID
7238		5/4/21	1,776.68		1,776.68
7239		5/4/21	710.88		710.88

CHECK DATE	CHECK NO.	PAYEE	DISCOUNTS TAKEN	CHECK AMOUNT
5/4/21	34308	6th Gear Promotions		\$2,487.56

PRODUCT SSLM275 USE WITH 91564 ENVELOPE Deluxe Corporation 1-800-328-0304 or www.deluxe.com/shop

PRINTED IN U.S.A.

A

4201636600

CF43EA SLKDK04 08/24/2020 18:28 -65-



7 Altamira Ave.
Kentfield, CA 94904
(415)218-6311 - ph
(206)339-6413 - fax

Invoice No.

7238

INVOICE

Customer

Name Town of Ross
Address 31 Sir Francis Drake Blvd.
City Ross State CA ZIP 94957
Phone Attn: Linda Lopez

Date 5/4/2021
Order No. 7238
Rep Mike Tarantino
FOB

Qty	Description	Unit Price	TOTAL
72	Item #91597 - 17oz. H2Go Force Hombre - Green/Blue with Town of Ross logo in white	12.00	\$864.00
60	Item #91563 - 17oz. H2Go Force - Red with same logo as above in old gold	\$10.50	\$630.00
1	Reorder set-up	\$25.00	\$25.00

APPROVED FOR PAYMENT

Account #	8697-05
Approved by	<i>HL</i>
Date	5/4/21

✓

POSTED

Payment Details

- ☐ Cash
☒ Check
☐ Credit Card

Name
CC # Expires

SubTotal	\$1,519.00
Shipping & Handling	\$132.36
Taxes	
	\$125.32
TOTAL	\$1,776.68

Office Use Only

TERMS ARE NET 30 DAYS. A finance charge of 1.5% which 18% APR will be applied to all account past due

Thank you for everything



7 Altamira Ave.
Kentfield, CA 94904
(415)218-6311 - ph
(206)339-6413 - fax

Invoice No.

7239

INVOICE

Customer

Name Town of Ross
Address 31 Sir Francis Drake Blvd.
City Ross State CA ZIP 94957
Phone Attn: Linda Lopez

Date 5/4/2021
Order No. 7239
Rep Mike Tarantino
FOB

Qty	Description	Unit Price	TOTAL
48	Item #1628-46 - Dagon Wheat Straw Mug with Stainless Liner Beige with Town of Ross logo in brown	11.25	\$540.00
1	Set-up	\$50.00	\$50.00

APPROVED FOR PAYMENT

Account #	8697-05 ✓
Approved by	JK
Date	5/4/21

POSTED

Payment Details

- ☐ Cash
☒ Check
☐ Credit Card

Name
CC #
Expires

SubTotal	\$590.00
Shipping & Handling	\$72.20
Taxes	
	\$48.68
TOTAL	\$710.88

Office Use Only

TERMS ARE NET 30 DAYS. A finance charge of 1.5% which 18% APR will
be applied to all account past due

Thank you for everything

REFERENCE NO.	DESCRIPTION	INVOICE DATE	INVOICE AMOUNT	DISCOUNT TAKEN	AMOUNT PAID
0000022692		8/26/20	4,820.30		4,820.30

CHECK DATE	CHECK NO.	PAYEE	DISCOUNTS TAKEN	CHECK AMOUNT
8/31/20	33581	Keystone Ridge Designs		\$4,820.30



Address: 670 Mercer Road
Butler, PA 16001-1840
Phone: 800-284-8208
724-284-1213
Fax: 724-284-1253
Email: info@keystoneridgedesigns.com
Website: www.keystoneridgedesigns.com

Invoice No 0000022692
Customer 011696

Bill to :

TOWN OF ROSS
PO BOX 320
ROSS CA 94957-0320
United States

Sold to :

TOWN OF ROSS
PO BOX 320
ROSS CA 94957-0320
United States

APPROVED FOR PAYMENT

Account #	8697-05
Approved by	[Signature]
Date	8-31-20

POSTED

Phone (415)453-1453

Customer PO Number	Invoice Date	Terms	FOB	Ship Via	Salesperson
SIGN OFF Q40800	08/26/2020	NET 30	KRD PLANT	UPS FREIGHT	PAC
Item No	Part / Rev / Description / Details	Quantity	Unit Price	Discount	Extended Price
000010	OMT03-3A11D00-0001 Rev 000 U/M EA MID,W/DOOR,32,ALEG,FLID,PLIN,BLACK Packing List No/Item No: 019976/000001 Sales Order No: 019613 Customer PO No: SIGN OFF Q40800	3.00	1245.00	112.05	US\$ 3,622.95
000020	A0000-3020000-0001 Rev 000 U/M EA LID,32 GAL. ELEV.LID,ADD-ON,BLACK Packing List No/Item No: 019976/000002 Sales Order No: 019613 Customer PO No: SIGN OFF Q40800	3.00	125.00	11.25	US\$ 363.75
000030	OMT03-3A11DRT-0001 Rev 000 U/M EA MID,32,ALEG,FLID,PLIN,DUAL LIT/REC Packing List No/Item No: 019976/000003 Sales Order No: 019613 Customer PO No: SIGN OFF Q40800	2.00	1660.00	99.60	US\$ 3,220.40
000040	A0000-3020000-0001 Rev 000 U/M EA LID,32 GAL. ELEV.LID,ADD-ON,BLACK Packing List No/Item No: 019976/000004 Sales Order No: 019613 Customer PO No: SIGN OFF Q40800	2.00	125.00	7.50	US\$ 242.50
000050	A0000-3020000-8028 Rev 000 U/M EA LID,32 GAL. ELEV.LID,ADD-ON Packing List No/Item No: 019976/000005 Sales Order No: 019613 Customer PO No: SIGN OFF Q40800	2.00	125.00	7.50	US\$ 242.50
000060	SHIPPING Rev NS	1.00	1706.00	0.00	US\$ 1,706.00

CUSTOMER COPY

Page 1 of 2

[Signature]
Authorized Signature



Address: 670 Mercer Road
Butler, PA 16001-1840
Phone: 800-284-8208
724-284-1213
Fax: 724-284-1253
Email: info@keystoneridgedesigns.com
Website: www.keystoneridgedesigns.com

Invoice No 0000022692
Customer 011696

Bill to :

TOWN OF ROSS
PO BOX 320
ROSS CA 94957-0320
United States

Sold to :

TOWN OF ROSS
PO BOX 320
ROSS CA 94957-0320
United States

Phone (415)453-1453

Customer PO Number		Invoice Date	Terms	FOB	Ship Via	Salesperson
SIGN OFF Q40800		08/26/2020	NET 30	KRD PLANT	UPS FREIGHT	PAC
Item No	Part / Rev / Description / Details		Quantity	Unit Price	Discount	Extended Price
	Shipping/Freight Charge, Ref Shipper No 019976 Shipped on 08/25/2020 Tracking No: Shipped Via UPS Freight PRO#251944803					
					Total Item Price	US\$ 7,692.10
					Shipping	US\$ 1,706.00
					Sales Tax	US\$ 0.00
					Total Inv Price	US\$ 9,398.10
					Amount Paid	US\$ 4,577.80
					Total Due	US\$ 4,820.30
SHIPPED TO ADDRESS: TOWN OF ROSS 31 SIR FRANCIS DRAKE BLVD ROSS, CA, 94957 United States Please pay balance due by Friday September 25 2020.						

CUSTOMER COPY

Page 2 of 2


Authorized Signature

ZERØWASTEMARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

TOWN OF SAN ANSELMO

B. Recipient's representative and contact information: (Please print all information)

Name: ELISE SEMONIAN

Title: PLANNING DIRECTOR

Address: 525 SAN ANSELMO AVENUE

City, Zip: SAN ANSELMO CA 94960

Phone: 415-258-4636

E-mail: esemonian@townofsananselmo.org

C. Grant Amount

\$20,940.48

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Single Use Plastic Ordinance Implementation	No work completed due to Covid 19 and inability to require reusables or to visit sites to assist the businesses.	\$0	0

Totals: \$ 0 0 Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X



June 11, 2021

Signature of Grant Recipient Representative

Date

Elise Semonian

Print Name

Planning Director

Print Title

FY 20/21 - Zero Waste Grant Final Report

FY 20/21 Grant Amount: \$11,904.08

- **Grant Amount Used:** \$6,788.25
- **Grant Amount Remaining:** \$5,115.83 (as of April 2021) *Remaining budget includes costs for Starter Kits for 15-20 restaurants, outreach, distribution, follow up*

Project Name: Sausalito Single-Use Plastic Ban – Foodware Ordinance

Project Summary:

- Develop a communication plan and distribute collateral to inform Sausalito food service business about the city's single-use plastic ban.
- Educate food service businesses about alternatives like fiber utensils, encourage dine-in options and reusable food service ware.

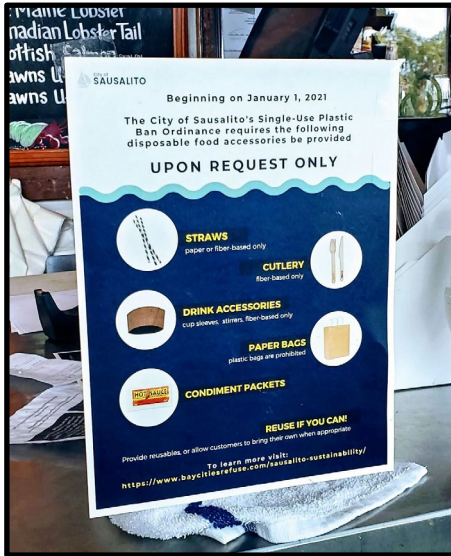
Project Overview:

In August 2020, the Sustainability Commission reconvened to continue working on the Zero Waste Marin grant after a six month hiatus due to Marin County's shelter in place order. During this time, a sub-committee was established, composed of Commissioners Kathy Hutton and Lauren Wylie, to revive the grant and continue the project. The zero waste project consultant, Alina Bekkerman hired an additional consultant, Freddy Coronado, to assist with the implementation of the Sausalito Single-Use Plastic Ban.

From August to September, the zero waste project consultants created an ordinance overview fact sheet and acquired a list from Bay Cities Refuse of all Sausalito food establishments. By October 2020, the Sustainability Commission approved the Ordinance Factsheet and mailed it to all 50 food establishments in Sausalito. The fact sheet provided an overview of the ordinance and contained information for businesses on how to request additional assistance. On December 09, 2020, a virtual workshop was held to educate food vendors on the Single-Use Plastics Ban Ordinance. The workshop was recorded and published on Sausalito's YouTube page, and later shared with food vendors who could not attend. By mid-December Marin County entered the most restrictive COVID-reopening (Purple) tier and outreach to food establishments was paused.

In January and February 2021, while the city was in this most restrictive purple tier, the project stakeholders took the opportunity to create additional collateral, which included an Upon Request Only infographic and a Sausalito Approved food ware guide. These materials along with the Ordinance Overview Fact Sheet were then published on an [Sausalito Sustainability](#) landing page hosted on Bay Cities Refuse website. The website currently contains many resources that can be accessed by businesses wanting more information and tools to comply with the single-use plastic ban. The zero waste project consultants also developed an outreach strategy that would coincide with the County's reopening into the red and orange tiers.

In March, the full Sustainability Commission and City of Sausalito approved the Upon Request Only Infographic and supported the Upon Request Only outreach campaign to food establishments, which requires businesses to provide single-use items such as utensils, napkins, condiments packets, etc....only when asked for by customers. In April, as restaurants reopened, the consultants began distributing the infographics and published a newsletter article on Sausalito Currents to inform community members of this new requirement. During this time presentations were also conducted virtually to community groups like the Sausalito Woman's Club.



Upon Request Only infographic at Seafood Peddler. Zero Waste Consultant, Mary Munat conducting outreach at Sartaj India Cafe.

As of May 2021, most food establishments in Sausalito have been made aware of the single-use plastics ban. Out of a total of 50 food establishments in Sausalito, seven are fully compliant with the requirements of the Single-Use Plastic Ban Ordinance. Six only need to switch cutlery or another item to be fully compliant, while 15 others will need additional time to transition away from one or more food ware plastic items. Seven food vendors have not responded to our letters, emails, and or site visits.

The Sausalito Sustainability Commission has also partnered with Fishman Supply Company based in Petaluma, CA to distribute free sample kits to food establishments that have demonstrated need or interest in acquiring fiber-based foodware. The items in the kit are BPI-Certified compostable, free of polyfluoroalkyl substances (PFAS), and accepted by Bay Cities Refuse in the organics program. These starter kits are set to be distributed in June and July of 2021.



Image 2. Example of sample kit being offered to food vendors in Sausalito

While most businesses understand the ordinance, there is demonstrated confusion on what is compliant, especially involving fiber-based foodware with plastic coating and/or misunderstanding of compostable plastics and why they are no longer accepted by the City of Sausalito. It will take additional outreach to verify that food establishments have purchased the correct disposable foodware and to continue troubleshooting supplier needs. The Sausalito Commission understands that additional resources and outreach are necessary to continue assisting our businesses with our transition away from single-use plastics.

Project Stakeholders	
Sausalito Sustainability Commission (Current)	Ting Lee (Chair), Greg Thomson, Lauren Wylie, Mark Palmer, David Cooper, Andrew Cornelia
Single-Use Plastic Ban Sub-committee:	Lauren Wylie, Kathy Hutton (until May 2021)
Zero Waste Consultants	Alina Bekkerman, Freddy Coronado, Mary Munat
Bay Cities Refuse Services	Greg and Kim Christie

Project Name: Sausalito Single-Use Plastic Ban – Foodware Ordinance

Project Plan:

Dates	Project Tasks	Completed
September	Sustainability Commission and consultants move forward with ordinance implementation	Yes
October	Ordinance Fact Sheet approved by commission and city staff.	Yes
November	Ordinance Fact Sheet mailed to all food establishments. Outreach calls and emails to food vendors completed.	Yes
December	Virtual workshop held for food vendors. Video uploaded to Sausalito's YouTube page. Marin County recedes into purple tier, outreach paused.	Yes
January	Upon Request Only infographic created and approved by the City of Sausalito.	Yes
February	Sausalito approved foodwares guide created, Sausalito Currents newsletter article, and outreach plan decided on by the Sustainability Commission and consultants.	Yes
March	Outreach to food establishments continued as Marin County entered a less restrictive Orange tier. Newsletter article published in Sausalito Currents. Upon Request Only Infographic distributed to food establishments via email.	Yes
April	Outreach collateral and outreach strategy presented to the full Sausalito Sustainability Commission. Bay Cities Refuse landing page for ordinance updated. Presentations to community groups held including to the Sausalito Woman's Club.	Yes
May	Upon Request Only infographic distributed in person to food establishments. In person consultations to all food establishments. Food vendors are encouraged to sign-up for free starter kits. Zero Waste Events Checklist introduced.	In Progress
June - July	Distribution of food ware starter kits. Publication of proposed Zero Waste Events Checklist.	No

Current Compliance in Sausalito

May 2021

50	Total number of food establishments reached in Sausalito via letter
30	Upon Request Only Infographics distributed via email or in print
8	Food establishments fully compliant (no plastic or compostable plastics being used)
6	Food establishments need to switch one or two items to be fully compliant
7	Food establishments did not respond to outreach
14	Need additional assistance with moving away from plastics
13	Food establishments need to be visited via person

Work completed:

1. Identified food establishments in Sausalito:
 - a. List of businesses impacted by the single-use plastics ban:
 - i. <https://docs.google.com/spreadsheets/d/1K8YWHpuLwgNJumfbT5Ej4tip5YXwRNn3Lt36R4N3gOs/edit?usp=sharing>
2. Public facing communication and collateral about ordinance:
 - a. Sausalito Currents Newsletter Articles:
 - i. [Update on the Ban of Single-Use Plastics](#) (November 2020)
 - ii. [Upon Request Only Update](#) (March 2021)
 - b. Landing page for Ordinance collateral published on Bay Cities Refuse website
<https://www.baycitiesrefuse.com/sausalito-sustainability/>
 - c. Ordinance Summary for Sausalito.gov – Sustainability Commission Section
<https://www.sausalito.gov/city-government/boards-and-commissions/sustainability-commission/sustainability-programs-and-resources/waste>
 - d. Collateral for Food Vendors (*Approved Date*)
 - i. [New Single-Use Plastics Ban Ordinance Factsheet](#) (October 2020)
 - ii. [Video Recording of Workshop for Sausalito Businesses](#) (December 2020)
 - iii. [Upon Request Only Infographic for Food Vendors](#) (March 2021)
 - iv. [Single-Use Plastic Ban FAQ Sheet \(Draft\)](#)
 - v. [Zero Waste Events Checklist for Sausalito Events \(Draft\)](#)
3. Created starter kits:
 - a. Partnered with Fishman Supply Co to create a sample kit which will be distributed to food vendors who might need to test fiber-based food ware.
 - b. Verified that contents in sample kite were BPI Compostable Certified, PFAS-free, fiber-based and accepted by Bay Cities Refuse.
 - c. Published [Sausalito Approved Food Ware List](#).

Work to be completed:

1. Continue outreach to food establishments promoting resusables for dine-in customers and share reopening with reusables guidelines.
2. Finalize order of starter kits and deliver to interested food establishments. (15 hours)
3. Continue outreach to food establishments that were non-responsive during initial ordinance outreach. (10 hrs)
4. Deliver sample kits to interested food establishments.
5. Follow-up one month after starter kit distribution to ensure food establishments continue to use fiber-based compliant foodware. (10 hrs)
6. Provide compliance certificates/badges/decal stickers to businesses who have successfully transitioned away from single-use plastic.

ZERØWASTEMARIN

Exhibit C

Cycle 7

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

CITY OF SAN RAFAEL

B. Recipient's representative and contact information: (Please print all information)

Name: Cristine Alilovich, Cory Bytof

Title: Assistant City Manager, Sustainability Program Manager

Address: 1400 5th Avenue

City, Zip: San Rafael, CA 94901

Phone: (415) 485-3407

E-mail: Cristine.Alilovich@cityofsanrafael.org Cory.bytof@cityofsanrafael.org

C. Grant Amount

\$98,172.54

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
AB 1826 & SB 1383 Coordination	Funded ZW Fellow to conduct program development, outreach and procurement. Developed new case studies, created a pilot program for businesses not yet compliant with AB 1826, did education and outreach about SB 1383 to Chamber and City Council, developed draft surplus equipment policy and process, repurposed dozens of pieces of office furniture, created guidelines/policies for community center renters, and scoped, priced, began construction of compost & recycling enclosures for community centers.	\$40,877.32	.5
Reusable food-ware programs	Conducted outreach and business/consumer surveys to determine next opportunities for reusables post-pandemic, including for senior meal programs.	\$4,925.00	0
Recycling infrastructure	Procured receptacles, enclosures, and containers to increase recycling and composting for noncompliant facilities/businesses.	\$5,301.71	0 no data yet
2019 Unspent funds	Printing for bulky waste collection events and services in disadvantaged communities.	\$3,581.00	.5

*Unspent funds \$61,332.95 due to COVID-19 to be utilized in next grant cycle

Totals: \$54,685.03 1 Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X 

Signature of Grant Recipient Representative

May 25, 2021
Date

Cory Bytof

Print Name

Sustainability Program Manager

Print Title

ZERO WASTE MARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

Strawberry Recreation District

B. Recipient's representative and contact information: (Please print all information)

Name: Nancy Shapiro

Title: General Manager

Address: 118 E. Strawberry Drive

City, Zip: Mill Valley, 94941

Phone: (415) 383-6494

E-mail: gm@strawberryrec.org

C. Grant Amount

\$ 5,000

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

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(SEE NEXT PAGE)

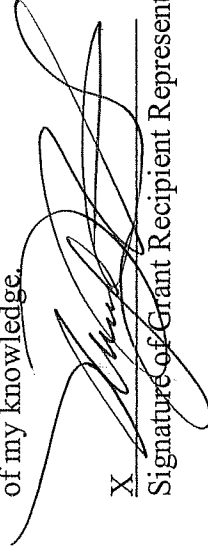
D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Installation of washer and dryer to reduce paper towel and disposable cloth use	Northeast corner of the gym kitchen: Modify existing drains, run hot and cold lines, and tap into existing line for new gas line to the dryer.	\$1,845.00	19 pounds of paper towels per week
	Purchase and install a Speed Queen washer and dryer, including 4' flex connector and vent pipe	\$3,527.87	25 pounds of multi-use terry cloths per week (lbs / 3) = 8.3lbs
	Work completed on: 5/19/2021 and 6/15/2021		Total of 27.3 lbs per week diverted from landfill 0.709 tons per year

Totals: \$5,372.87 .71 Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X  _____
Signature of Grant Recipient Representative

5/17/2021
Date

Nancy Shapiro
Print Name

General Manager
Print Title

ZERØWASTEMARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

Tamalpais Community Services District

B. Recipient's representative and contact information: (Please print all information)

Name: Heather Abrams

Title: General Manager

Address: 305 Bell Lane

City, Zip: Mill Valley, CA 94941

Phone: (415)388-6393

E-mail: finance@tamcsd.org

C. Grant Amount

\$5,000

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Holiday Tree Composting Event: Jan 12 th -15 th , 2021	The project successfully provided Holiday tree recycling services to the entire district. Tree pick-up service was provided to all residents, and additional drop-off location was also available. All the trees were chipped on-site and then taken to a composting facility. TCSD matched with \$900.00 towards the bill as attached.	\$5,000.00	Approx. 11.62 Tons

Totals: \$ 5,000 11.62 Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grant Fund is true and accurate to the best of my knowledge.

X  3/10/21
Signature of Grant Recipient Representative Date

Heather Abrams General Manager
Print Name Print Title

ZERØWASTEMARIN

Attachment C

FY 20/21

Zero Waste Grant Final Report

A. Name of Recipient (city, town, or special district):

Town of Tiburon

B. Recipient's representative and contact information: (Please print all information)

Name: David O. Eshoo

Title: Associate Engineer

Address: 1505 Tiburon Blvd.

City, Zip: Tiburon, CA 94920

Phone: 415-435-7354

E-mail: deshoo@townoftiburon.org

C. Grant Amount

\$ 15,659.81

D. Recipient's Zero Waste Grant Expenditures

Please provide a description of the Zero Waste Projects completed and how funds were spent. Also, if feasible, please estimate the tonnage of materials diverted or not consumed as a result of the project. Please refer to the Grant Guidelines for other required components of the Final Report.

If all grant funds have been used the Grant Amount should match the Total in the table on the next page. Grantee shall maintain record of all expenditures. Any grant funds not expended in the current grant cycle must be preserved in a protected account and dedicated for zero waste projects the next year.

(SEE NEXT PAGE)

D. Recipient's Zero Waste Grant Expenditures

Name of Work or Project:	Work Completed:	Funds Used:	Estimated Tons Diverted/Avoided:
Education Webpage	Outreach and updates on Towns websites to provide a better resource to residents	\$2,131.00	Do not have an exact number yet.
Public Recycling Receptacles	Provide more receptacles near parks, trails and walkways. Due to Pandemic, more of the public ate outside in parks and open space.	\$7,829.00	Started installing and replacing beginning July 2020 and 2021. 30lbs/week
Compliance with State Laws	AB 1826, green business outreach	\$2,561.00	Do not have an exact number yet.
Software upgrades for Town Staff and meetings	Due to COVID-19 Pandemic. Town had to work remotely updated software for residents/engineers/contractors to submit plans electronically. All meetings are on Zoom and paperless.	\$3,138.81	5lbs/week

Totals: \$ 15,659.81 35lbs/week Tons

Certification

I declare, under the penalty of perjury under the laws of the State of California, that all information herein submitted to the Marin County Hazardous & Solid Waste Management Joint Powers Authority for the Zero Waste Grand Fund is true and accurate to the best of my knowledge.

X David O Eshoo
Signature of Grant Recipient Representative

6/9/2021
Date

David O Eshoo
Print Name

Associate Engineer
Print Title

MARIN COUNTY HAZARDOUS AND SOLID WASTE MANAGEMENT JOINT POWERS AUTHORITY

Belvedere	Date: July 22, 2021
Corte Madera	To: JPA Board of Directors
County of Marin	From: Liz Lewis, Interim Executive Director
Fairfax	Re: Appoint Ross Valley Cities Representative to the Executive Committee
Larkspur	Section 7.3(b) of the JPA Agreement specifies that the Board shall select the Ross Valley cities representative from Ross, San Anselmo, Fairfax, Larkspur or Corte Madera. Director Dave Donery, representing San Anselmo is already on the Executive Committee.
Mill Valley	According, the Board can appoint Director Joe Chinn, Director Dan Schwarz, or Director Todd Cusimano. The Board could also appoint the Director from the Town of Fairfax, if the JPA has received an official appointment notice of its Director by the time of this meeting. It is also known that Director Chinn has advised the Town of Ross of his impending retirement from the Town.
Novato	
Ross	
San Anselmo	The current composition of the Executive Committee is:
San Rafael	County of Marin: Hymel/Eilerman
Sausalito	City of San Rafael: Schutz/Alilovich
Tiburon	City of Novato: Vice Chair McGill
	Ross Valley Rep: Vacant
	Southern Marin Rep: Chair Chanis

Recommendation

1. Adopt a Motion appointing a Ross Valley Cities representative to Executive Committee.

Board Chair: Please confirm the vote on this item by reading the following items out loud after the vote.

Motion: _____ Second: _____

Ayes: _____

Noes: _____

Abstentions: _____

*F:\Waste\JPA\JPA Agenda Items\JPA 210722\Item 5 - Appoint Ross Valley City Rep to ExCom.docx
7/16/2021 10:07 AM*

MARIN COUNTY HAZARDOUS AND SOLID WASTE MANAGEMENT JOINT POWERS AUTHORITY

Belvedere Date: July 22, 2021

Corte Madera To: JPA Board of Directors

County of Marin From: Liz Lewis, Interim Executive Director

Fairfax Re: Zero Waste Plan Update Adoption

Larkspur Please recall that your Board commissioned a Zero Waste Plan Update and Organizational Assessment project as part of the FY 19-20 budget. The Board also appointed a Board Subcommittee of Chair Alilovich, and Directors Donery, Toy and Eilerman to work on the project. A Request for Proposals (RFP) to solicit technical assistance was issued in late 2019. Two proposals were received – and your Subcommittee conducted interviews and recommended a contract with R3 consulting.

Mill Valley

Novato An initial draft of the updated plan was presented to your Board on February 25, 2021. This initial draft included input from a broad array of stakeholders including ZWM board members, 14 Local Task Force members, 4 private waste haulers, 1 public hauler, special districts, landfill, transfer station, and staff. A special public workshop was held on April 22, 2021 with the Local Task Force and the general public in attendance.

Ross

San Anselmo

San Rafael During our meetings, your Board indicated support for the recommended strategies and provided feedback that the Zero Waste goal should be adjusted to a 75% diversion rate to be consistent with the State's diversion goal. Additionally, the Board provided feedback that identification of strategies to support compliance with State mandates vs. achievement of Zero Waste goals be more clearly identified. Finally, the Board requested a more detailed timeline of activities related to recommended strategies. This feedback has been incorporated into the final report.

Sausalito

Tiburon

I want to thank the Subcommittee for their focused diligence, meeting regularly over the past eight months, to complete this critical plan update. With delays due to the COVID response and multiple changes in leadership – the work of the Subcommittee has been invaluable in seeing this project through to completion.

Recommendation

Adopt the Zero Waste Plan Update Report.

Attachments:

1. Final Zero Waste Plan Update
2. Summary of Phases
3. R3 Presentation on Zero Waste Plan Update

Board Chair: Please confirm the vote on this item by reading the following items out loud after the vote.

Motion: _____ Second: _____

Ayes: _____

Noes: _____

Abstentions: _____

*F:\Waste\JPA\JPA Agenda Items\JPA 210722\Item 6 - Zero Waste Plan Update Adoption.docx
7/16/2021 9:37 AM*

FINAL REPORT

ZERO WASTE FEASIBILITY STUDY UPDATE

Submitted electronically on July 7, 2021

ZERØWASTEMARIN

July 7, 2021

Ms. Liz Lewis
Executive Director, Marin County Hazardous and Solid Waste JPA
c/o Marin County Department of Public Works
P.O. Box 4186
San Rafael, CA 94913

Subject: Final Report – Zero Waste Feasibility Study Update

Dear Ms. Lewis,

R3 Consulting Group, Inc. (R3) is pleased to submit the attached final report for the 2021 Zero Waste Feasibility Study Update for Marin County Hazardous and Solid Waste JPA (Zero Waste Marin or ZWM).

The report that follows is structured to present an overview of the current solid waste system in place in Marin, a summary of the 2009 Zero Waste Feasibility Study, a review of the progress made toward Zero Waste in Marin and statewide, and an analysis of potential additional recovery in Marin County. The objective of this report is to provide an update on R3's findings in conducting an update to the 2009 Zero Waste Feasibility Study. The update is intended to provide specific, actionable projects that would provide significant reductions in material going to landfill and increase recovery of waste materials in Marin County. Strategies for consideration by ZWM are included at end of this report.

A draft of this report was shared with and presented to the Zero Waste Marin Board on February 25, 2021. During that meeting the Board indicated general support for the recommended strategies and the Board provided feedback that the Zero Waste goal should be adjusted to be achievement of 75% diversion to be consistent with the State's diversion goal. Additionally, the Board provided feedback that identification of strategies to support compliance with State mandates vs. achievement of Zero Waste leadership be more clearly identified. Finally, the Board requested a more detailed timeline of activities related to recommended strategies. All such feedback has been incorporated into this final report.

The draft report was also shared with and presented to a joint meeting of the Board and the Local Task Force (LTF) on April 22, 2021, which coincided with an open public comment period lasting several months. The draft report was also shared with the primary solid waste operators in Marin County. Public comments received included verbal comments provided by Marin Sanitary Service and Mill Valley Refuse Service and written comments provided by Recology Sonoma Marin and the Marin Biomass Recovery Group (included as attachments to this report). In summary, public comments received included:

- » General overall support for the recommended strategies.
- » Strong support for strategies to divert and recover wood waste, particularly from fire fuel reduction activities, with identification of willing coalition partners.
- » Suggestions that Zero Waste Marin fee assessments by hauler vs. facilities be aligned with strategies affecting waste streams related to each.
- » Suggestions relating to Zero Waste Marin's organizational configurations.

In terms of next steps, R3 recommends that the Zero Waste Marin Board:

- » Adopt the adjusted Zero Waste goal of 75% diversion and accept the strategies included in this report.
- » Adjust the structure of the organization to target the selected strategies and objectives (the subject of the related Organizational Assessment which will be presented to the Board at a later date).

* * * * *

We appreciate the opportunity to be of service to Zero Waste Marin. Should you have any questions regarding our report or need any additional information, please don't hesitate to reach out directly.

Sincerely,






Garth Schultz | *Principal*
R3 Consulting Group, Inc.
510.292.0853 | gschultz@r3cqi.com



Rose Radford | *Project Manager*
R3 Consulting Group, Inc
415.347.9536 | rradford@r3cqi.com

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1. EXECUTIVE SUMMARY

R3 Consulting Group, Inc. (R3) was engaged to conduct the 2021 Zero Waste Feasibility Study Update for Marin County Hazardous and Solid Waste JPA, Zero Waste Marin. This report provides a summary of the current solid waste system, a summary of the prior 2009 Zero Waste Feasibility Study (2009 Study), an update on the status of implementing the strategies outlined in the 2009 Study, an overview of the status of Zero Waste in Marin and statewide, an analysis of additional recovery potential based upon statewide waste characterization results, and a list of strategy options for Zero Waste Marin's consideration.

Zero Waste Marin has made good progress in implementing the strategies in the 2009 Study. Moreover, the majority of the recommendations from that Study remain viable and should continue, though some are better implemented by member agencies and not ZWM and others are already being partially implemented by either ZWM or haulers and facilities.

There are a handful of solid waste disposal, recycling, and organics processing facilities in Marin County, including: one transfer station; one landfill; one C&D processing facility; and four composting facilities (three of which are small scale operations). The vast majority of the waste generated in Marin County flows through these facilities, with some being transferred to an out-of-County landfill. Information gathered from these facilities and analyzed by R3 indicate that the amount of solid waste disposed in landfills has increased in recent years, in a reversal of prior long-term trends towards increasing material recovery. As a result of these increases in landfill disposal, Zero Waste Marin is not on track to meet its ambitious goal of achieving 94% diversion by 2025 (note that diversion and recovery are used interchangeably in this report).

These trends are not unique to Zero Waste Marin – landfill disposal throughout California has been increasing since 2008, with commensurate decreases in calculated diversion rates statewide. Other agencies with ambitious Zero Waste goals are similarly not on track for goal achievement. Many of those agencies have consequently reframed their goals to better align with realistic – yet still ambitious – reductions in landfill disposal and increases in diversion. Zero Waste Marin, likewise, has the option to reframe its goal to better reflect its scope of influence and responsibility. Many similar agencies have reframed their goals and adopted policies similar to those already in place in Marin. More ambitious programs are certainly feasible, and in place at other agencies; however, implementing those programs would require additional resources.

While overall landfill disposal by Zero Waste Marin has increased in recent years, the amount of landfill disposal by franchised haulers operating in Marin County has actually been decreasing since 2014, with corresponding increases in recycling and organics diversion since that time. This means Zero Waste Marin is not on track to meet its goal partly as a result of increases in the amounts of solid waste being disposed of by non-franchised “self-haulers” – individual residents, businesses, and contractors. ZWM should consider and implement strategies to control and reduce “self-haul” disposal attributed to Marin County if it wishes to decrease disposal tons.

That said, all waste generators in Marin County can do more to reduce landfilled waste, with 2/3 of the waste sent to landfills in Marin County being potentially recoverable via recycling, composting, or other methods. The vast majority of the potentially recoverable material is comprised of organic waste (yard trimmings, food scraps, paper, wood and lumber). Recovery of organic waste from landfilled waste streams is needed in order to reduce greenhouse gas (GHG) emissions, achieve climate action plan objectives, and achieve compliance with unfunded state mandates via recent legislation, SB 1383. ZWM and its member agencies should consider strategies that would capture and recycle more organic materials, which may also coincide with the compliance requirements of SB 1383.

2. 2021 ZERO WASTE FEASIBILITY STUDY UPDATE

Background on Zero Waste Marin

Zero Waste Marin consists of the County of Marin and all 11 incorporated cities and towns within Marin (Belvedere, Corte Madera, Fairfax, Larkspur, Mill Valley, Novato, Ross, San Anselmo, San Rafael, Sausalito, and Tiburon, collectively member agencies). In addition to the cities, towns, and County of Marin, twelve special districts also hold franchise agreements for solid waste collection in the County. The JPA Agreement gives Zero Waste Marin the power to adopt ordinances, conduct studies, levy fees, implement programs, and more. ZWM funds a number of key programs in the County, including:

- » Operation of the Household Hazardous Waste (HHW) Program at the facility in San Rafael.
- » Remote collection programs for universal wastes including batteries, fluorescent bulbs, sharps, and pharmaceuticals.
- » A grant program available to all member agencies for funding diversion programs.
- » AB 939 compliance programs, including solid waste planning, reporting to the State of California, and specific programs such as the construction and demolition debris (C&D) recycling program.
- » Outreach and education in schools.
- » A countywide advertising campaign to promote source reduction and recycling.
- » Facilitation of meetings including the “Local Task Force” advisory body.

ZWM assumed its current state via a revised Joint Powers Agreement in July 1996 and was formed to meet the goals mandated by State Public Resources Code (PRC) Sections 40900 through 43000, which were added by Assembly Bill (AB) 939. Those PRC code sections have since been amended by various legislation, most recently AB 341, AB 1826, and Senate Bill (SB) 1383. The laws that succeeded AB 939 have added additional diversion goals and mandates on local agencies.

ZWM's annual budget is approximately \$4 million, and funding is derived from fee assessments on the franchised haulers active in the County, the transfer station, and the landfill located in the County. ZWM contracts with the Marin County Department of Public Works for staffing, administration, and program implementation. Zero Waste Marin performs several key services for its member agencies that are not explicitly evaluated as a part of this Update, including HHW, state reporting, the schools program, and the Countywide advertising campaign. These programs provide key benefits to ZWM's member agencies and absent another directive, we have assumed – and recommend – that these programs will remain core functions of the Zero Waste Marin, irrespective of decisions regarding new programs to achieve greater diversion.

2009 Zero Waste Feasibility Study

In 2009, ZWM considered a goal to increase the diversion of materials from the landfill to meet an 80% diversion goal by 2012 and 94% diversion by 2025. It also received and filed the 2009 Study to meet that goal which included numerous strategies targeting the following key outcomes:

- » Establishment of programs and policies to strengthen Countywide programs for meeting the Zero Waste goal; and
- » Guidance on implementation of specific programs and policies by member agencies.

The 2009 Study presented eighteen recommendations, split up into the functional groups presented above, and was intended to provide a summary of findings and analysis related to the evaluation of current solid waste and household hazardous waste programs, program improvements, and new

programs. The disposal reduction associated with implementing the strategies described in the plan was estimated at 180,000 tons, and the theoretical achievement of 94% diversion.

While aspirational goals are common in Zero Waste plans developed in the past, the last few years have shifted the paradigm in solid waste management for the foreseeable future. Resource recovery, including recycling and diverting organics from landfill, is no longer considered only for diversion and resource conservation value, but also as important means of greenhouse gas (GHG) emission reduction.

Although Marin County as a whole has access to some of the best diversion programs in the state, Zero Waste Marin did not meet its 80% diversion by 2012 goal and will not meet its 2025 goal of 94% diversion. Current (2019) diversion as measured by the State of California for ZWM is 67%, which compares favorably to other agencies throughout the state, and is an indicator of relatively high diversion achievement. ZWM's and its member agencies have made significant progress in implementing programs from the 2009 Study, including adding food waste to residential and commercial organics collection programs, directing a portion of clean food to anaerobic digestion, complying CALGreen C&D and other state recycling laws, conducting outreach, educating schoolchildren and the public, and improving opportunities for proper disposal of household hazardous and universal wastes, such as batteries.

Changes in Approach to Diversion

In the past decade, many jurisdictions and waste related JPAs, including Zero Waste Marin, have gone beyond AB 939's diversion requirements and adopted a Zero Waste goal and plan. Zero waste, however, cannot be achieved by recycling and composting programs alone.

Zero waste goes beyond diverting materials from landfill and means designing and managing products and processes to systematically avoid and eliminate the volume and toxicity of waste and materials, conserve and recover all resources, and not burn or bury them. Because Zero Waste goes beyond "diverting" waste, and because CalRecycle, in 2014, changed the methodology for demonstrating compliance with AB 939 from a diversion percentage to a "pounds of disposal per person" goal, many jurisdictions stopped tracking and reporting diversion rates, and are instead tracking disposal pounds per person (which factors in waste prevention efforts), and recycling and organics pounds collected per person.

Regardless of the methodology used for tracking progress toward higher diversion and Zero Waste, achieving Zero Waste goals have always been partially dependent on factors that go beyond local collection and processing programs, such as markets and value for scrap material, and the elimination or reduction of problematic packaging (such as certain types of single use or biodegradable plastic and multi-material packaging that can't be recycled, composted or recovered). Working collectively with other agencies - including the state - to address those larger issues, in addition to improving diversion and waste prevention programs, has been a key part of most jurisdictions' Zero Waste plans.

Zero waste goals, as well as the increasing focus on organics, have also recently been more closely tied to greenhouse gas emission and sequestration efforts underway locally and statewide.

Changes in Recycling Markets

In January 2018, the People's Republic of China reduced the maximum contamination on all incoming recycled material shipments levels from a previous 10% to 0.5% effective March 1, 2018. Such contamination is monitored at the port upon arrival of incoming recycled material shipments and is subject to return to its shipment source if higher levels are determined to be found. The policy has been said by some leading industry experts to be "virtually impossible" to attain.

This policy, known as the National Sword, nearly eliminated the end destination market for most of California's recyclables. While other countries including Vietnam, India, Malaysia, and Turkey have previously accepted recyclable materials for processing before China's National Sword Policy, they continue to be overwhelmed with material diverted from China's market. This policy has led to changes in Marin County including Mill Valley Refuse Service's decision to switch from single stream recycling to

dual stream recycling for residents, stricter contamination standards for customers, and increased rates to cover the costs of additional sorting needed at material recovery facilities.

Marin County Diversion Outcomes and Trends

Despite the successful efforts outlined in the 2009 Study, the Countywide recycling rate as measured by CalRecycle is declining as disposal increases more quickly than population. This trend is shown in Figure 1.

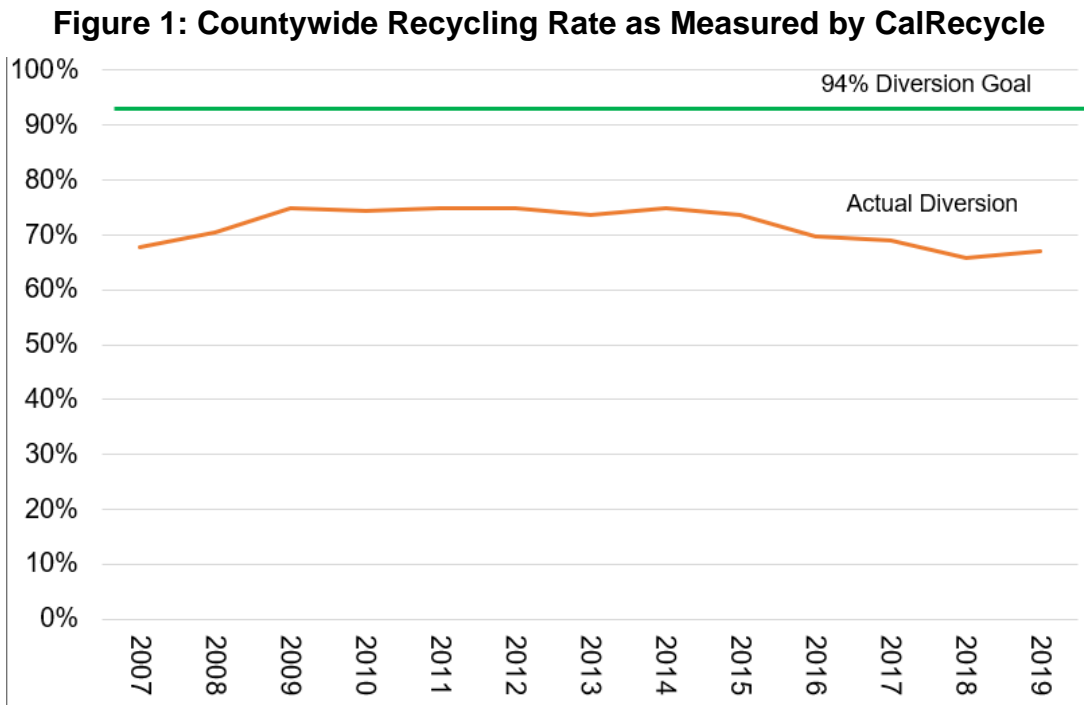


Figure 2 (next page) shows the disposal and diversion data over time since 2014. This data was collected through ZWM's role in reporting disposal to the state; this role was transferred to CalRecycle as of the third quarter of 2019, and similar data is no longer being collected.

Statewide Diversion Trends

Despite the ambitious legislation the state has passed, and increasingly stringent enforcement of that legislation on local agencies, statewide disposal has been steadily increasing, and the state's calculation of its recycling rate has been decreasing. Figure 2 (next page) shows CalRecycle's calculated statewide recycling rate through 2018.

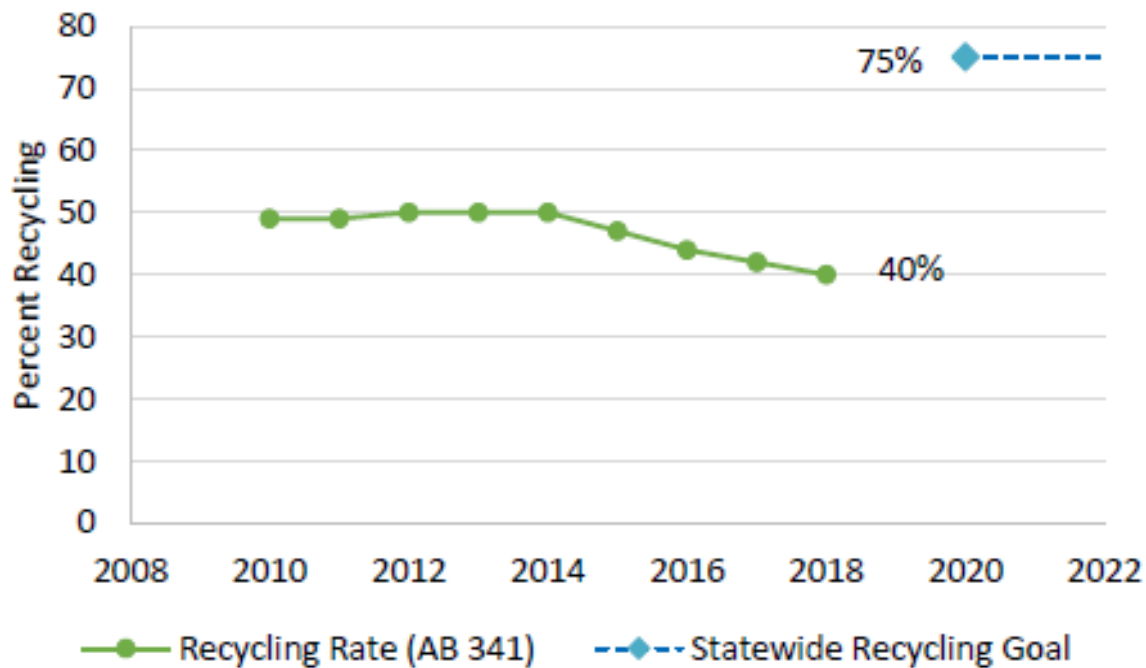
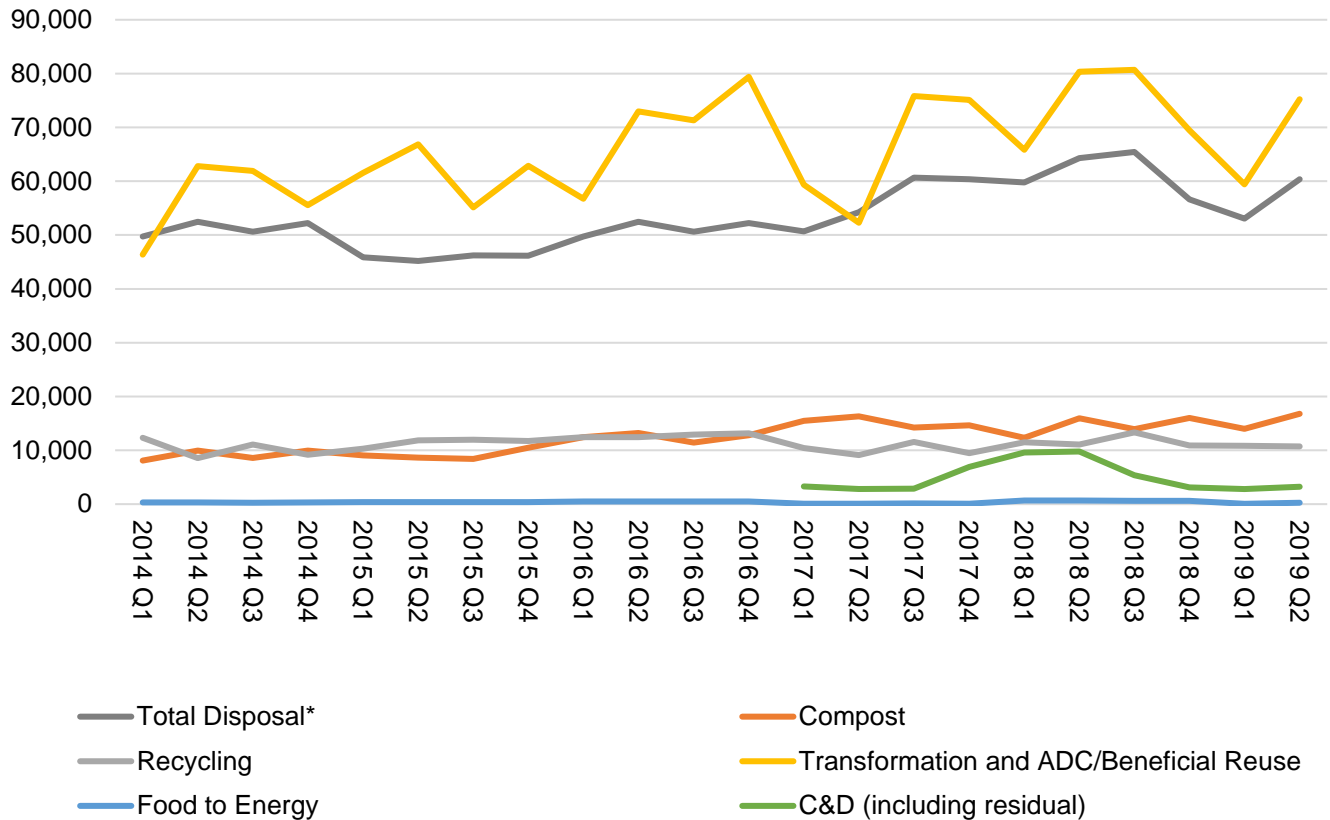
Figure 2: California's Statewide Recycling Rate Since 2010¹

Figure 3 shows seasonal fluctuation in disposal tonnages, with franchised and non-franchised materials combined, and significant tonnages of material used as alternative daily cover (ADC) and beneficial reuse at landfill (for erosion control, road maintenance, and other functions). The data shows an increase in disposal over the period, and smaller but consistent increases in recycling and composting-bound materials. Materials delivered as C&D debris for recycling is reported separately from C&D delivered for disposal (reported as disposal), with data available from 2017 onward.

¹ Source: State of Recycling and Disposal Report for Calendar Year 2018, CalRecycle, available at the following web address: <https://www2.calrecycle.ca.gov/Publications/Download/1453>

Figure 3: Tonnage Trends, Marin 2014-2019


* Sum of Potrero Hills, Redwood, and Keller Landfills as reported to CalRecycle.

The vast majority of the increases in disposal have been in non-franchised materials hauled by residents and businesses directly to the transfer station and landfill, and not the materials collected by franchised haulers from permanent collection containers. In 2014, franchised disposal was about 105,000 tons; by 2018 franchised disposal had reduced to 97,000 tons, an impressive reduction. The best available data on non-franchised disposal shows that it is primarily from construction and demolition (C&D) activity, making the Countywide C&D diversion program particularly important as a focus area moving forward – however, options for processing all delivered solid waste tonnages for recovery will also support increased diversion.

Figure 4 shows the tonnage data with franchised disposal displayed in dark blue and subtracted from total disposal. This figure shows a steady decrease in franchised disposal and a corresponding increase (circled in red) in recycling and organics tonnages over the period, with non-franchised disposal in dark gray increasing over the entire period.

Figure 4: Tonnage Trends w/ Franchised Disposal Extrapolated, Marin 2014-2019

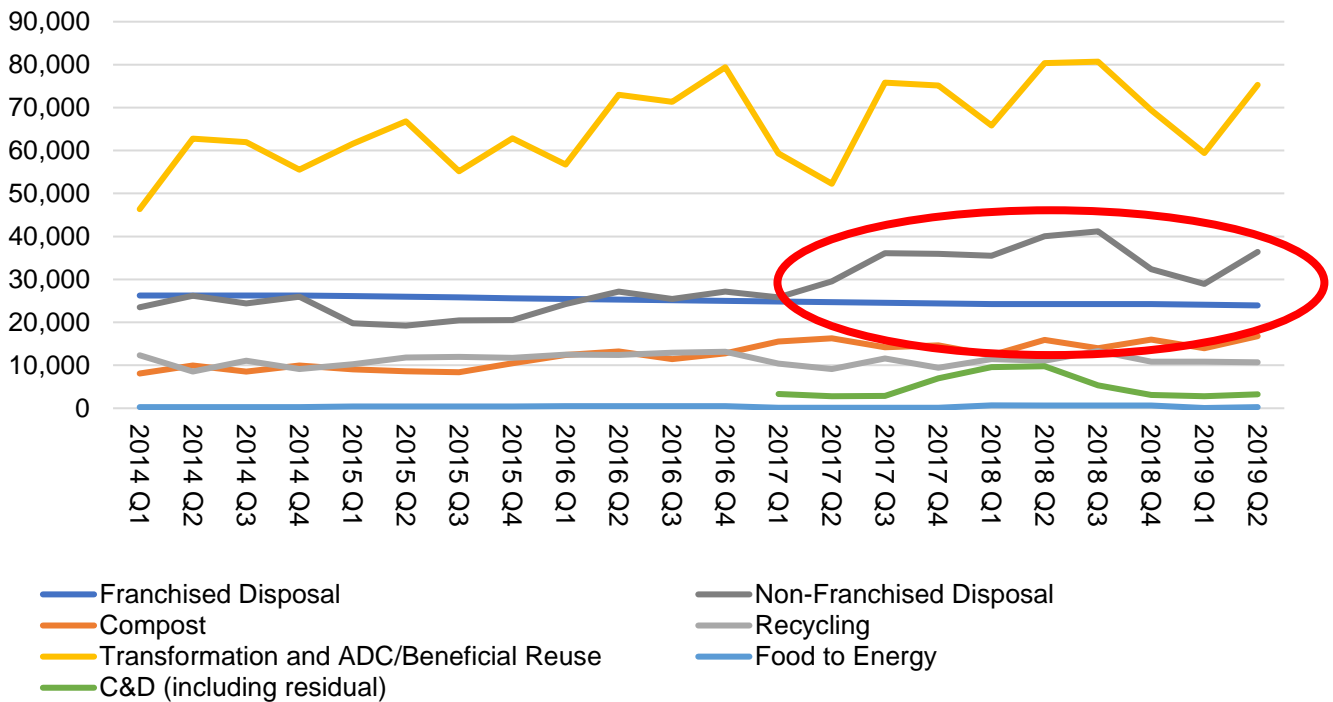
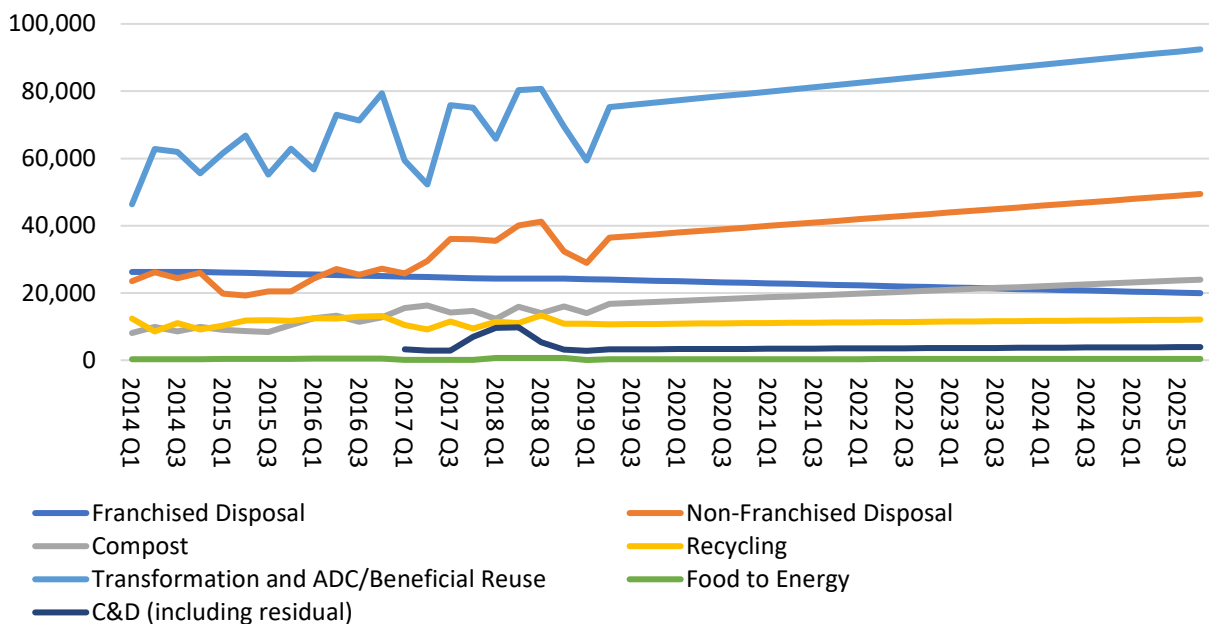


Figure 5 shows a projection of tonnages using current trends through 2025. Zero Waste Marin did not meet its goal of 80% diversion from landfill in 2012 and is not on track to meet the Zero Waste goal by 2025 given that disposal is increasing. If current trends are maintained, diversion will go from 67% in 2018 to 66% in 2025 (measured as recycled tons over total tons, with all categories but disposal counted as recycled).

Figure 5: Tonnage Projection Through 2025



Remaining Recoverable Materials

In order to identify the most viable strategies for increasing diversion, R3 identified the proportion of materials by broad material type that is available in the landfilled material, and by sector (residential, commercial, and self-haul). The composition of each sector's disposed waste stream was applied to the total tonnages by sector, estimated on a hauler-by-hauler basis, for the most recent full year of disposal data (2018). After 2018, Zero Waste Marin was no longer responsible for collecting disposal data for the state, and disposal and diversion tonnage data is incomplete beginning in the third quarter of 2019.

Approximately 73% of the overall waste stream would be considered recoverable based upon statewide data. Approximately 20% of the disposed material is from the residential sector, 26% is from the commercial sector, and the remaining 54% is attributed to non-franchised "self-haul," or material hauled by residents and businesses directly to the transfer station or landfill (including wood chips used as ADC, which now counts as disposal and not recovery). Most of the "self-haul" disposal is reported from the Marin Resource Recovery Center (MRRC).

54% is dramatically higher than the self-haul that R3 has observed in other communities; self-haul tends to be closer to 20-40% of total disposal. The host agencies for transfer stations and landfills tend to be allocated more disposal tonnages than agencies that do not host those facilities, as the origin of waste is declared by each customer at the gate. Table 1 shows the composition of the overall waste stream that would be classified as recoverable. This table clearly demonstrates that organic materials are the largest portion of that category, with food (edible and inedible) accounting for 15% of the overall recoverable materials.

Table 1: Composition by Material Class²

Material	Proportion	Recoverable
Special Waste	6.7%	6.3%
Metal	4.6%	3.6%
Glass	1.7%	1.5%
Electronic	0.6%	0.6%
HHW	0.2%	0.2%
Organic	34.1%	33.5%
Paper	16.6%	15.0%
Inerts and Others	14.1%	9.4%
Plastic	11.5%	3.0%
Miscellaneous	9.8%	0.0%
Total	100%	73.1%

Using the residential waste characterization as a basis, ~63% of the currently-disposed materials from the residential sector, or 26,500 tons, are still recoverable. For the commercial sector, ~64% of the currently-disposed materials, or 35,000 tons, are still recoverable.

² Source: 2018 Facility-Based Characterization of Solid Waste in California, CalRecycle, available at the following web address: <https://www2.calrecycle.ca.gov/Publications/Download/1458>

For the self-haul sector, based upon actual material composition and estimates based on the statewide averages, 70% of the material is recoverable, or 79,000 tons. Clean wood accounts for 16% of the disposed self-haul material.

Based upon this analysis, food waste and self-hauled wood waste are material categories that offer significant potential for diversion, with paper (in particular food-soiled compostable paper) and yard waste also contributing significantly to the recoverable materials still landfilled.

Reframe Zero Waste Goal Expectations

Zero waste is an aspirational goal, and while it is often defined in alignment with the Zero Waste International Alliance's principles, it is the province of each jurisdiction to establish a framework for reducing waste generation, and responsibly managing materials that are generated.

Agencies such as the City of San Francisco and StopWaste in Alameda County have reframed goalsetting away from a pure landfill diversion percentage to instead target 100% diversion of the materials that can be diverted, with the understanding that "residuals" or other such material that lacks a recycling market would still be disposed. R3, via prior projects with Zero Waste Marin, has recommended similar approaches, in particular with C&D waste materials, which appear to be a primary reason for the increase in disposal in Marin County. Reframing the Zero Waste goal would allow Zero Waste Marin to focus programs on "high generation" materials that are actually recoverable via current systems.

The State of California has made disposal reduction a key goal and supported diversion programs by establishing a dedicated department and passing legislation that supports the ambitious goals set by prior legislation. Since AB 939 in 1990, the state has been a leader in collecting disposal data and benchmarking progress toward these statewide goals. The State is required to assess progress toward these goals, and these assessments have concluded that additional activities will be needed. As such, the more recent legislation passed by the state has shifted the focus of regulations toward implementation of specific programs, rather than achievement of diversion goals.

Communities throughout the state are adding recycling, composting, waste prevention and the use of compost to their climate action plans as GHG reduction and climate resilience measures. Additionally, the increased use of products made from recovered organic material, such as compost and mulch, have been identified as important contributors to improved soil health, which is at risk due to fires and other climate change impacts. Potentially edible food that is currently being disposed has been identified as a potential food source for the food insecure. Recycling, composting and waste prevention efforts have been given new impetus as communities and decisionmakers recognize their multiple environmental benefits, not least of which are GHG reduction benefits.

Focus on Organics

Food and other organics in landfill breakdown and form methane, a potent GHG. Since the adoption of the 2009 Study, there has been a steady shift, statewide and locally, toward an increased focus on getting organics (especially food) out of the landfill as a significant means of reducing statewide GHG. This focus has been targeted (although not exclusively) on the commercial sector as the biggest overall generator of landfilled organics. Prioritizing organics recovery in the commercial sector makes sense because commercial organics recovery has significant remaining potential and remains more challenging to implement than residential diversion, meaning that it requires a special focus.

Organics comprise the biggest part of the remaining recoverable waste stream, at approximately 40% in Marin and 50% statewide, underscoring the importance of prioritizing their recovery. Several laws targeting organics (and recycling) recovery in the commercial sector have passed in the last several years, placing numerous programmatic and reporting requirements on ZWM's member agencies.

Focusing on organics recovery offers several co-benefits in addition to targeting the greatest potential for increased diversion. Increasing organics recovery would help Zero Waste Marin's member agencies

comply with the new and complex organic disposal reduction requirements of SB 1383, as well as other co-benefits listed below:

- » Reducing a significant source of GHG (methane in landfills) and contributes to County and Member agency GHG reduction efforts and climate action planning.
- » Improving soil health in the member agencies through the increased use of compost and mulch, which also contributes to climate resiliency and helps member agencies comply with CALGreen, MWELo and SB 1383 requirements.
- » Recovering edible food that could be donated for human consumption.

Other Zero Waste Goal Benchmarks

Other communities have also adopted Zero Waste plans that set ambitious goals for disposal reductions. Many of those communities have since adjusted their Zero Waste goals. A few examples are listed below:

- » Alameda updated its 2010 plan to instead focus on 5 key strategies that were adopted in 2018.
- » Castro Valley Sanitary District published a Zero Waste Strategic Plan in 2014 with the goal of Zero Waste by 2029. The District is currently developing an updated 2020 plan.
- » Davis adopted a Zero Waste Plan in 2013 that included strategies to attain a 75% reduction goal by 2020.
- » Fairfax passed a resolution to achieve Zero Waste (94% landfill diversion goal) by 2020.
- » Fresno adopted a goal in 2008 to achieve Zero Waste by 2025.
- » Glendale adopted a Zero Waste goal in 2011 aiming for 90% waste diversion by 2030, and a 75% goal set for 2020.
- » Irvine passed a resolution to “support Zero Waste as a long-term goal for City of Irvine” remains in place without alternation.
- » Los Angeles: pLAN updated to Mayor’s Green New Deal in 2019. The Green New Deal pushed back LA’s Zero Waste to landfill/incineration goal from 2025 to 2050.
- » Menlo Park adopted a Zero Waste plan and goal in 2017.
- » Mountain View’s Zero Waste Plan (with the goal of diverting 90% of waste from the landfill by 2030) remains unchanged.
- » Novato amended franchise agreement to include Zero Waste goals including an 80% diversion of waste to recycling by 2025.
- » Oakland adopted a Zero Waste plan in 2006 with a goal to achieve 90% reduction in landfill-bound materials (from 2005 baseline). Strategies, measurement approaches, and system design have been altered since adoption of the plan.
- » Oceanside’s Zero Waste Plan was adopted in 2012 by City Council and set a goal of reaching a 75-90% diversion rate by 2020.
- » A 2018 Zero Waste Plan updated Palo Alto’s original plan (adopted in 2007). The 2018 Plan contains new and revised provisions designed to meet aggressive goals adopted by the Palo Alto City Council in 2016 as part of its Sustainability/Climate Action Plan.
- » City of San Diego has retained its Zero Waste goals of 75 percent diversion by 2020, 90 percent by 2035, and 100 percent by 2040.
- » San Francisco’s original Zero Waste Plan stipulated a Zero Waste to landfill/incinerators goal by 2020. This was scaled back in 2018, instead calling for a reduction in total waste generation by 15 percent and disposal to landfill by 50 percent (of materials that can be diverted) by 2030.

- » In 2008, the San Jose adopted a Zero Waste to landfill goal by 2022. An update with five specific objectives to help the City reach its goal was developed in 2017.
- » Santa Cruz County Zero Waste Plan was created in 2015 as a result of the County establishing a Zero Waste goal in 2005 for achieving a 75 percent diversion rate by the year 2010.
- » Santa Monica plans to “significantly extend timeline to achieve Zero Waste, eliminates Zero Waste policy and program, development and instead focus on regulatory compliance.”
- » Santa Rosa adopted a Zero Waste plan and goal in 2020 with a per capita disposal target goal, not based on diversion percentage.
- » Sunnyvale has retained its Zero Waste goals of 75 percent diversion by 2020, 80 percent by 2025 and 90 percent by 2030.

State Law Requirements and Goals

Since AB 939 was passed, the state has continued to set ambitious new recycling goals through a variety of new legislation, including:

- » AB 341 set a goal of 75% diversion statewide by the year 2020 and requires businesses that generate more than 4 cubic yards of commercial solid waste per week and multifamily residential dwellings of 5 units or more to arrange for recycling services, on and after July 1, 2012. The law also requires local jurisdictions to promote recycling by taking certain actions, including informing covered businesses of the requirement.
- » AB 1826 required local jurisdictions to arrange an organics collection program that includes food scraps on and after July 1, 2016, and at this time requires businesses and multifamily residential dwellings of 5 units that generate more than 2 cubic yards of commercial solid waste per week or more to arrange for organics diversion services. The law also requires local jurisdictions to promote organics diversion by taking certain actions, including informing covered businesses of the requirement.
- » Motivated by the statewide limit on greenhouse gas emissions to 1990 levels, SB 1383 sets a statewide goal to reduce organic waste by 50% from the 2014 level by 2020 and 75% from the 2014 level by 2025. SB 1383 also establishes a target of recovering 20% of currently disposed edible food for human consumption by 2025. SB 1383's requirements will be in effect on January 1, 2022, and include extensive requirements for businesses, state agencies, and local jurisdictions.

The regulations set forth a variety of programmatic and policy related requirements on multiple entities including jurisdictions, residential and commercial generators, commercial edible food generators, haulers, self-haulers, food recovery organizations, and food recovery services to support achievement of these state-wide organic waste disposal reduction targets.

SB 1383 requirements go beyond AB 1826 and AB 341 in that there are far more specific program implementation, monitoring and enforcement requirements on jurisdictions, as well as a new required program component: an edible food recovery program.

Marin County Solid Waste System Overview

Zero Waste Marin's member agencies – as well as the other special districts in the County – independently contract their collection and disposal services for residential, multi-family and commercial services. There are over 20 agencies that hold franchise agreements for collection of solid waste in the County. C&D materials can be collected either by the franchised hauler or the contractor conducting the C&D activity. Unincorporated areas of the County are serviced by five franchised haulers and a municipal hauler. The six haulers operating in Marin County and their service areas are provided in Table 2.

Table 2: Marin County Franchised Haulers

Franchised Hauler	Service Areas		
Bay Cities Refuse	Sausalito, <i>Marin City CSD</i> , and County		
Marin Sanitary Service	County	Larkspur	San Anselmo
	Fairfax	Ross	San Rafael
	<i>Las Gallinas Valley Sanitary District</i>		
Mill Valley Refuse Service	<i>Almonte</i>	Corte Madera	<i>Strawberry</i>
	<i>Alto SD</i>	County	Tiburon
	Belvedere	<i>Homestead</i>	Mill Valley
Novato Disposal*	Novato Sanitary District (Novato and County)		
Recology Sonoma Marin*	<i>County (West Marin), Bolinas Community Public Utility District, and Stinson Beach County Water District</i>		
Tamalpais Community Services District	<i>Tamalpais Community Services District</i>		

Italics note parts of Unincorporated Marin County

*These haulers share a parent company, Recology, Inc.

Marin Resource Recovery Center (MRRC) is the only transfer station in the County, located in San Rafael and operated by Marin Sanitary Service (MSS). Redwood Landfill is the only landfill, located in unincorporated County near the City of Novato and operated by Waste Management. MRRC delivers franchised waste to Redwood Landfill and non-franchised waste to Potrero Hills Landfill located in Solano County. Marin Resource Recycling Association (MRRA – an MSS affiliated company) operates the one material recovery facility that processes curbside recycling and receives curbside recycling from MSS and Mill Valley Refuse Service (MVRS).

MRRC also operates a C&D sorting line and receives most C&D in the County, including C&D delivered for recycling at Redwood Landfill. Bay Cities Refuse delivers curbside recycling to a Republic-operated facility located in Richmond, and Recology Sonoma Marin delivers curbside recycling to a sorting facility located in Sonoma County. There are four composting facilities located in the County, although the vast majority of the organic materials are composted at Waste Management's Earth Care composting facility located at Redwood Landfill. Clean food scraps collected by MSS and Mill Valley Refuse Service (MVRS) are processed and transferred to Central Marin Sanitation Agency, where they are introduced into the sewage sludge and anaerobically digested to produce energy.

3. ZERO WASTE STRATEGY CONSIDERATIONS

Continue Existing Zero Waste Marin Programs & Clarify Responsibilities for Other Existing Zero Waste Strategies

Zero Waste Marin should also continue (and potentially expand) its existing suite of programs including the HHW program, schools outreach and education program, C&D recycling support program, outreach and education program focusing on source reduction, support for individual member agency Zero Waste efforts, and County-wide data gathering, analysis, and reporting to enhance coordination and access to necessary data for policymaking and innovation. Clarification regarding responsibilities for the strategies listed in the 2009 Study is needed. Table 3 provides a summary of each of the strategy recommendations presented in the 2009 Study and an assessment on whether the strategies should be continued in Marin County and who should bear primary responsibility for implementing those strategies.

In Table 3, strategies without highlighting are recommended for further consideration via the Organizational Assessment currently underway. Those highlighted in green directly relate to the new strategy options listed in the prior pages and should be further explored. Strategies highlighted in blue are recommended for continuation by ZWM and the member agencies, and those highlighted in grey have already been completed, with no further actions being necessary. ZWM should seek to clarify that the strategies highlighted in peach are the direct responsibility of the member agencies. Member agencies are currently best suited to be responsible for and implement these strategies (as desired) because they pertain to matters of individual member agency control (i.e., individual franchise agreements and solid waste operations and solid waste ordinances).

Focus on Areas of Large Potential

Zero Waste Marin should consider focusing new strategies on targeting the largest landfilled waste streams: organics, wood waste, and more generally non-franchised "self-hauled" waste. Organics comprise the largest single category of recoverable materials in landfilled waste (~40%) and is also the subject of state regulations, while non-franchised self-hauled waste is the primary area of increasing disposal in Marin County.

Specific actionable strategies targeting these waste streams are summarized in Attachment 1 with a tentative timeline of activities included in Attachment 2. Strategies are listed in general order of relative costs, diversion outcomes, timeline, and ease of implementation. Strategies for consideration purposefully demonstrate a range of options based on these criteria. These options also represent a range of necessary ZWM commitments, with the lower cost/impact strategies being feasible given current organizational structures, and the higher cost/impact strategies requiring broader organizational changes in order to be feasible.

Finally, recommended strategies fall into two primary categories – those that support compliance with State mandates such as SB 1383 and those that support achievement of zero waste leadership. While these two categories of activities are both of importance to Zero Waste Marin, the former category is of more immediate urgency for the member agencies while the latter category is of broader relevance to an overall culture of sustainability and climate action in Marin County.

Zero Waste Strategy Outline and Phasing

Phase 1: Plan and Finalize Next Steps for Future Phases (FY 21-22)

- » Continue current programs
- » Consider and implement necessary organizational changes
- » Finalize plans for new programs for implementation in future phases

Phase 2: Provide support for community compliance with State mandates (FY 22-23)

- » Fiscal Impact:
 - ~\$2.4 million in new funding
 - ~1% increase in collection rates
 - ~\$0.46 per month residential 32-gallon customer
- » Organizational Impact: Requires significant “ramp up” period and may require FT ED, increased Board meeting freq. & engagement with electeds and public
- » Supports compliance with State mandates

Phase 3: Focus on big areas for new recovery (FY 23-24)

- » Fiscal Impact:
 - Up to ~\$6 million in new funding
 - ~2.25% increase in collection rates
 - ~\$1.06 per month residential 32-gallon customer
- » Organizational Impact: Requires significant “ramp up” period and may require FT ED, increased Board meeting freq. & engagement with electeds and public
- » Supports compliance with State mandates and advances Zero Waste leadership

Phase 4: Support growth of in-county capacity (FY 24-25)

- » Fiscal Impact:
 - Up to ~\$20 million in new funding
 - ~7.46% increase in collection rates
 - ~\$3.50 per month residential 32-gallon customer
- » Organizational Impact: Requires significant “ramp up” period and may require FT ED, increased Board meeting freq. & engagement with electeds and public
- » Advances Zero Waste leadership

Table 3: Assessment of Strategies Selected in 2009 to Achieve Zero Waste

Strategies without highlighting are recommended for further consideration via the Organizational Assessment currently underway. Those highlighted in green directly relate to the new strategy options listed in the prior pages and should be further explored. Strategies highlighted in blue are recommended for continuation by ZWM and the member agencies, and those highlighted in grey have already been completed, with no further actions being necessary.

2009 Study Strategy Name	Should Strategy Remain in Place?
1. Increase ZWM's Role in Assisting Administration of Member Agency and Countywide Programs	Yes – <u>Explore via Organizational Assessment project in 2021</u> . Decisions regarding other ZWM strategies will influence the degree to which ZWM's role may change to assist in program administration.
2. Increase ZWM Staffing and Their Role in Assisting Administration of Member Agency and Countywide Programs	
3. Increase Board of Directors Meeting Frequency	
4. Help with Siting/Permitting Processes of a) Solid Waste Facilities and b) Non-Solid Waste Facilities	Potentially – <u>Explore via 2021 Zero Waste Feasibility Study Update</u> . ZWM may choose to continue with this strategy, with a recommended focus on organics recovery and recovery from self-hauled waste.
5. Support Extended Producer Responsibility (EPR) and Waste Reduction Policies at State and National Level Public education	Yes – <u>Continue current ZWM program</u> . ZWM should continue efforts to support EPR, with the knowledge that there is no direct linkage to Zero Waste goal achievement. Consider higher levels of support for EPR efforts.
6. Revise Solid Waste Ordinances	Yes – <u>Responsibility of ZWM member agencies</u> . All agencies must update their solid waste ordinances in 2021 to meet the requirements of SB 1383.
7. Revise Franchise Agreement Language	Potentially – <u>Responsibility of ZWM member agencies</u> . ZWM member agencies may choose to revise their franchise agreements with their operators and may consider the model franchise language developed by CalRecycle ³ .
8. Adopt, Enforce, and Homogenize the Construction and Demolition Ordinance	Yes – <u>Continue current ZWM program</u> . ZWM should continue efforts to support member agencies C&D implementation. Prior ZWM recommendations to homogenize ordinances were not implemented by the member agencies. ZWM member agencies have responsibility for implementation and enforcement.

³ CalRecycle's model tools for SB 1383 implementation can be found at the following web address:
<https://calrecycle.ca.gov/organics/sicp/education>

Zero Waste Strategy Considerations

2009 Study Strategy Name	Should Strategy Remain in Place?
9. Adopt and Enforce Multifamily Dwelling and Business Recycling Ordinance	Yes – <u>Responsibility of ZWM member agencies.</u> All agencies must update their solid waste ordinances in 2021 to meet the requirements of SB 1383.
10. Encourage Consumption and Disposal Changes Through Public Education	Yes – <u>Continue current ZWM program.</u> ZWM should continue public education efforts and should consider specifically focusing on reduction and recovery of organic wastes and self-hauled wastes. Consider higher levels of investment in public education and outreach programs.
11. Promote Countywide Sale and/or Disposal Bans	Yes – <u>Responsibility of ZWM member agencies.</u> Some member agencies are promoting these efforts on their own, and the County is developing a countywide approach to reduce single use food ware wastes.
12. Implement Wet/Dry Collection Routes	Potentially – <u>Responsibility of ZWM member agencies.</u> ZWM member agencies may choose collection operation approaches in coordination with their haulers.
13. Offer Residential Unlimited Services of Recycling and Green Waste Containers	Potentially – <u>Responsibility of ZWM member agencies.</u> ZWM member agencies may choose collection operation approaches in coordination with their haulers.
14. Add Materials Collected to the Recycling Stream	Completed – Maximum levels of recyclable materials are already included in recyclables waste streams.
15. Add Food Waste Diversion to Collection Services (Residential and Commercial)	Completed – Food waste and other organics are already included in green waste/organics waste streams.
16. Implement Food Waste Digestion	Completed – Food waste and other organics are already included in green waste/organics waste streams.
17. Promote Backyard Composting	Yes – <u>Continue current ZWM program</u> to promote home composting.
18. Require Deconstruction/Salvage/Resale of Construction and Demolition Materials	Potentially – <u>Explore via 2021 Zero Waste Feasibility Study Update.</u> ZWM may choose to continue with this strategy, with a recommended focus on recovery of all recoverable C&D materials at processing facilities.

3. ZERO WASTE STRATEGY CONSIDERATIONS

Please see Attachments 1 and 2.

2021 Update to the Zero Waste Marin Feasibility Study

Summary of Objectives for Programs Funded by the Zero Waste Fund

Zero Waste Objective		Summary Description	Est. Decrease in Disposed Tons	Est. Additional Annual Costs	Est. Impact to Collection Rates	Est. Impact to Res. 32-Gallon Rate (Monthly)
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PHASE 2 COMPLIANCE SUPPORT (FY 22-23)		Provide support for compliance with State mandates.				
1	Expand Public and School Education and Outreach Programs	Expand awareness by increasing funding for public and school education and outreach programs including focus on organic waste reduction and recovery.	Minimal	\$500,000	0.19%	\$ 0.09
2	Expand Waste Reduction Program	Continue ongoing support for Extended Producer Responsibility (EPR) and Waste Reduction Policies in coordination with the LTF.		\$250,000	0.10%	\$ 0.05
3	Expand Zero Waste Grant Program	Continue ZW Grant Program and encourage or require member agencies to focus on organics recycling with ZWM grant funds.		\$350,000	0.14%	\$ 0.07
4	Fund and Support Members' Development of CalRecycle Compliance Programs	Fund one-time project to provide technical guidance to Members to outline and clarify Member and JPA ongoing requirements under State Laws (AB 341, AB 1826, and SB 1383).	Minimal	\$240,000	0.09%	\$ 0.04
5	Fund Targeted Technical Assistance to Business and Multi-Family	Provide ongoing funding to Members for direct hands-on technical assistance to the largest organics waste generators to reduce and capture organic waste.		\$600,000	0.23%	\$ 0.11
	Fund Digital Technology Solutions	Identify and fund ongoing implementation of new technologies to improve data collection and monitoring for increased diversion and waste prevention.		\$120,000	0.05%	\$ 0.02
	Fund Edible Food Recovery Program Assistance	Fund one-time coordination of edible food recovery program activities with Members.		\$180,000	0.07%	\$ 0.03
6	Fund Development/Expansion of CRV Redemption Opportunities	Fund ongoing partnerships with entities that redeem CRV containers to increase community access to CRV redemption opportunities.	N/A - will not increase recovery.	\$300,000	0.12%	\$ 0.06
PHASE 2 SUBTOTAL			Minimal	\$2,540,000	0.99%	\$ 0.47
PHASE 3 NEW RECOVERY PROGRAMS (FY 23-24)		Advance Zero Waste Leadership: Fund and implement new materials recovery programs for wood waste, non-franchised waste, and hard-to-recycle materials.				
7	Fund Development / Expansion of Reuse / Hard-to-Recycle Item Facilities	Fund ongoing partnerships with facilities for recovery and reuse of hard-to-recycle and reusable items <u>(assumes joint funding from partnership, not only ZWM).</u>	Up to 3%	\$1,000,000	0.38%	\$ 0.18
8	Fund Partnerships for Recovery of "Self-Hauled" and C&D Waste	Fund ongoing partnerships with facilities for recovery of self-hauled and C&D waste <u>(assumes joint funding from partnership, not only ZWM).</u>	Up to 5%	\$2,000,000	0.75%	\$ 0.35
9	Fund Partnerships for Wood Recovery and Energy Production	Fund ongoing partnerships with facilities for recovery of clean wood waste for energy production <u>(i.e. biomass; assumes joint funding from partnership, not only ZWM).</u>	Up to 5%	\$3,000,000	1.12%	\$ 0.53
PHASE 3 SUBTOTAL			Up to 13%	\$6,000,000	2.25%	\$ 1.06
PHASE 4 IN-COUNTY PROCESSING CAPACITY (FY 24-25)		Advance Zero Waste Leadership: Fund and implement processing of garbage/trash to recover and compost organics.				
10	Fund Commercial and Multi-Family Garbage Processing and Composting Agreement(s)	Fund ongoing partnerships with facility operators and haulers to process commercial and multi-family "garbage" for processing and recovery of recyclables and organics and subsequent composting of organics.	Up to 10%	\$10,000,000	3.73%	\$ 1.75
11	Fund Single Family Garbage Processing and Composting Agreement(s)	Fund ongoing partnerships with facility operators and haulers to process single-family "garbage" for processing and recovery of recyclables and organics and subsequent composting of organics.	Up to 10%	\$10,000,000	3.73%	\$ 1.75
PHASE 4 SUBTOTAL			Up to 20%	\$20,000,000	7.46%	\$ 3.51
ESTIMATED GRAND TOTAL OF ALL PHASES			Up to 33%	\$28,540,000	10.70%	\$ 5.03

ATTACHMENT for Garth Schultz, 5.28.21

Biomass Recovery Study Comments on 2020 Zero Waste Feasibility Study and Zero Waste Strategy Considerations

I. Overall Comment

The document is invaluable. It complements and adds to what we have learned from waste management providers, entrepreneurs and others. These sections were particularly useful: overview of the solid waste systems, summary of the progress made toward zero waste in Marin and statewide, the analysis of potential additional recovery in Marin County, and the initial draft strategies for consideration.

II. Observations and Suggestions

1. ZWM funds a number of key programs in the County. We recommend adding a county-wide program that assesses and implements short term and longer term **solutions for end uses of organic materials (biomass)** that create economic incentives for public/private sector investment in feasible technologies and products that lower carbon emissions and enhance carbon sequestration.
2. We recommend that ZWM serve as the source of **county-wide data and analysis** of solid waste management systems in Marin county and facilitator for incentivizing investment in a resilient waste management infrastructure. Responding effectively to trends in disposal, diversion, carbon goals, organics focus (see examples below) will be enhanced if ZWM serves this role. We encourage expanding capability of ZWM to assure that planners, researchers and entrepreneurs across the county have access to current and reliable county wide data on tonnage, capacity and forecasts as well as to feasible options for investment.

A few problem areas are outlined below because their solutions depend on availability of such information and optimization models:

- Because zero waste goes beyond “diverting” waste, and because CalRecycle, in 2014, changed the methodology for demonstrating compliance with AB 939 from a diversion percentage to a “pounds of disposal per person” goal, many jurisdictions stopped tracking and reporting diversion rates, which remain important.
- Regardless of the methodology used for tracking progress toward higher diversion and zero waste, achieving zero waste goals has always been partially dependent on factors that go beyond local collection and processing programs, such as markets and value for scrap material, and the elimination or reduction of problematic packaging.
- The vast majority of the increases in disposal have been in non-franchised materials hauled by residents and businesses directly to the transfer station and landfill, and not

the materials collected by franchised haulers from permanent collection containers. Zero Waste Marin did not meet its goal of 80% diversion from landfill in 2012 and is not on track to meet the zero waste goal by 2025 given that disposal is increasing.

- Communities throughout the state are adding recycling, composting, waste prevention and the use of compost to their climate action plans as GHG reduction and climate resilience measures.
 - Focusing on organics recovery offers several co-benefits in addition to targeting the greatest potential for increased diversion. Increasing organics recovery would help Zero Waste Marin's member agencies meet their resource recovery and climate goals.
3. We recommend that ZWM initiate this role by updating the Inventory of Waste Flow contained in the R3 Report entitled "Organics Generation and Capacity Analysis", April 2, 2018. An **updated Biomass Inventory and Characterization Study** would be invaluable in assessing the potential for new and improved pathways to achieve zero waste and eliminate methane emissions from the resource-processing stream, in accordance with SB 1383. Since such information is foundational to our Biomass Recovery Project, we would like to participate in the framing of such a study in the near term. We look forward to working with you to develop such an inventory.
4. We further recommend and request that the **recovery pathways** identified in our study so far be included among the recovery infrastructure to be analyzed and supported by ZWM going forward. These potential pathways include:
- Enhanced on-site processing of biomass to reduce need to haul
 - Enhanced Compost production
 - Biochar Production
 - Anaerobic Digestion (AD)
 - Wood products
 - Transportation fuels, including aviation fuels
 - Hydrogen powered public transit, including ferries
5. We are particularly pleased to see the **ZWM Strategies** that are starred below. We would like to be part of process that develops and works on those items:

ZWM Strategies from 2009 per 2/2021 R3 Update (Phase 1)

- Continue #4 'Help with Siting/Permitting Processes of Waste Facilities' ("with focus on organics recovery and recovery from self-hauled waste")*
- Continue #18 'Resale of Construction & Demolition Materials' (We could help develop a 'wood products' biomass conversion pathway).*

ZWM Strategies from 2/2021 R3 Update (Phase 2, FY 22-23)

- *‘Support for compliance with State mandates’**
- # 1 ‘Education & Outreach . . . including focus on organic waste reduction and recovery.’*
- #3 Grants to ‘encourage or require members agencies to focus on organics recycling.
- #4 CalRecycle Compliance Programs ‘technical guidance’ (including SB 1383)*
- #5a ‘Technical Assistance to Business & Multi-family . . . for organic waste.’

ZWM Strategies from 2/2021 R3 Update (Phase 3, FY 23-24)

- *‘Fund and implement new materials recovery programs for wood waste, non-franchised waste . . .’ **
- #8 ‘Fund Partnerships for Recovery of “Self-Hauled” and C&D Waste.’
- #9 ‘Fund Partnerships for Wood Recovery and Energy Production.’ *

ZWM Strategies from 2/2021 R3 Update (Phase 4, FY 24-25)

- *‘Fund and implement processing of garbage/trash to recover and compost organics.’*
- #10 & 11 ‘Processing and Composting Agreements’*

6.. Finally, we recommend that ZWM include reference to County **GHG emissions and sequestration goals**, as other public agencies are doing, to reinforce the urgency of enacting R3 solutions.



June 7, 2021

Dear R3 Consulting Group and Zero Waste Marin Board and Staff,

On behalf of Recology Sonoma Marin, I would like to provide our comments on the draft update to the Zero Waste Feasibility Study presented to the JPA Board on February 25, 2021. We have reviewed the plan and generally concur with the recommendations. A few general observations:

- We are supportive of continuing and expanding existing successful programs, such as the Zero Waste Schools Program – as we have observed its positive impact.
- We support the recommendation of adding new outreach and education programs related to apartment complexes and technical assistance to apartment complexes.
- Lastly, we support the transition of the JPA into a body with exclusive staff and expanded function. We have found that this style of JPA is very successful with program management (i.e. HHW and Zero Waste programs) as well as compliance management/reporting on numerous CA state laws (i.e. AB939, AB341, AB1826, SB1383). With the complex requirements of SB1383 coming into effect on January 1, 2022, dedicated JPA staff will be needed to bring the County into compliance.

We appreciate the opportunity to provide these comments and our inclusion in the process.

Please feel free to reach out with any additional questions or clarification.

Thank you,

Garen Kazanjian, Waste Zero Specialist

GKazanjian@Recology.com

707-312-3182

2021 Update to the Zero Waste Marin Feasibility Study

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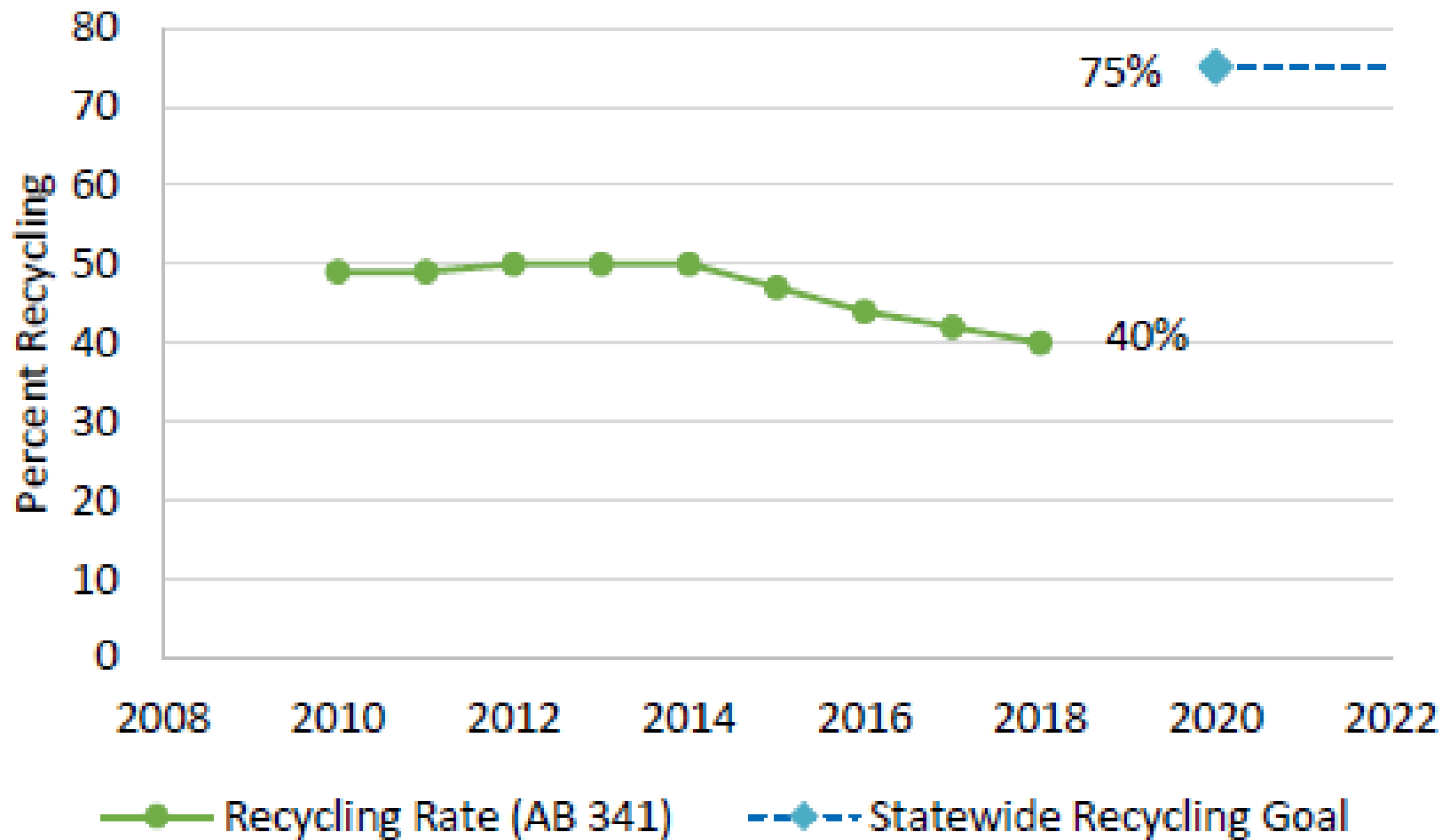
Public Workshop:

Zero Waste Objectives

**Presentation to Zero
Waste Marin Board
of Directors
July 22, 2021**

ZWM Goal of 94% Diversion by 2025

Statewide Diversion Rate



Zero Waste Objectives

- Maintain current household hazardous waste (HHW) and CalRecycle reporting program
- Provide support for compliance with State and local mandates
- Focus on big areas for new recovery: organics, wood waste, large waste streams
- Support growth of in-county processing capacity (esp. organics and wood)





Summary of Public Comments

- General overall support for the recommended strategies
- Strong support for strategies to divert and recover wood waste
- Suggestions regarding fee assessments
- Suggestions regarding organizational configurations

Zero Waste Objectives

- **2/25/21 Feedback from ZWM Board Included in Final Report**
 1. Create visual timeline (Gantt) for actions to take
 2. Separately identify legislative compliance from zero waste actions
 3. ZWM should support compliance with state mandates and also support Zero Waste leadership
 4. ZWM goals should be realistic stretch goal (i.e. 75% State goal)

Zero Waste Objectives

2021 Update to the Zero Waste Marin Feasibility Study: Tentative Timeline

PHASE	ACTION	July-September 2021	October-December 2021	January-March 2022	April-June 2022	July-September 2022	October-December 2022	January-March 2023	April-June 2023
PHASE 1 PLAN AND FINALIZE NEXT STEPS FOR FUTURE PHASES (FY 21-22)	Adopt Adjusted Zero Waste Goal								
	Accept 2021 Update to the ZWM Feasibility Study								
PHASE 2 COMPLIANCE SUPPORT (FY 22-23)	Prepare implementation plans for Phase 2 strategies								
	Prepare and adopt budget for Phase 2 strategies								
	Implement Phase 2 strategies								
PHASE 3 NEW RECOVERY PROGRAMS (FY 23-24)	Prepare implementation plans for Phase 3 strategies								
	Prepare and adopt budget for Phase 3 strategies								
	Implement Phase 3 strategies								
PHASE 4 IN-COUNTY PROCESSING CAPACITY (FY 24-25)	Start preparation of implementation plans for Phase 4 strategies								
	Prepare and adopt budget for Phase 4 strategies								
	Implement Phase 4 strategies								

Zero Waste Objectives

2021 Update to the Zero Waste Marin Feasibility Study: Tentative Timeline

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	Implement Phase 4 strategies								

MARIN COUNTY HAZARDOUS AND SOLID WASTE MANAGEMENT JOINT POWERS AUTHORITY

Belvedere	Date: July 22, 2021
Corte Madera	To: JPA Board of Directors
County of Marin	From: Liz Lewis, Interim Executive Director
Fairfax	Re: Brief Update and Appoint Replacement to Your Board's Zero Waste Plan Update and Organizational Assessment Subcommittee
Larkspur	Please recall that your Board established a Zero Waste Plan Update and Organizational Assessment Board Subcommittee at your May 2019 Board Meeting. The Board appointed Directors Toy, Eilerman, Alilovich and Donery to that Subcommittee.
Mill Valley	
Novato	With the departure of Director Garrett Toy, the Board should appoint a replacement to the Subcommittee. The replacement can be any other Director.
Ross	The Subcommittee has been meeting regularly over the past two years working on the development of the Zero Waste Plan Update – which is stated for consideration of adoption in a separate agenda item. It is expected that the Subcommittee will continue to meet over the next Fiscal Year to continue this work and to guide further work related to the Organizational Assessment.
San Anselmo	
San Rafael	
Sausalito	
Tiburon	<p><u>Recommendation</u></p> <p>1. Adopt a Motion appointing a Zero Waste Plan Update and Organizational Assessment Subcommittee Member.</p>

Board Chair: Please confirm the vote on this item by reading the following items out loud after the vote.

Motion: _____ Second: _____

Ayes: _____

Noes: _____

Abstentions: _____

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