

### Teleconference/Public Participation Information

Pursuant to the provisions of California Governor's March 4, 2020 State of Emergency Declaration and enactment of Assembly Bill 361 on September 16, 2021 which adopted exemptions to the Ralph M. Brown Act and the proposed findings to be adopted by the Board at this meeting, this meeting will be conducted by teleconference only in accordance with Government Code section 54953(e). No physical location will be available for this meeting. This meeting agenda is available online [recyclemore.com/about/board-meeting-agendas](https://recyclemore.com/about/board-meeting-agendas).

For this meeting, there will be no physical location from which members of the public may observe the meeting. Members of the public are welcome to observe and address the Board telephonically at the appropriate time for public comment during the meeting, following these instructions:

**Link to join Webinar:** <https://us02web.zoom.us/j/83992565795>

**Or phone: 1-669-900-6833 or 1-408-638-0968**

**Webinar ID: 839 9256 5795**

During the meeting, the Chair will call for public comment. To make a public comment on a desired item while participating in the webinar, click on the "Raise Your Hand" option within the online webinar tool, or if participating via phone - dial \*9.

- Members of the public are welcome to submit written comments via email to the Board Secretary at [donalds@recyclemore.com](mailto:donalds@recyclemore.com) prior to or during the time for public comment at the meeting. The Board Secretary will share all comments with the Board at the meeting and make them part of the public record.

#### **Americans with Disabilities Act**

*In compliance with the Americans with Disabilities Act of 1990, if you need special assistance to participate in an Authority meeting, or you need a copy of the agenda, or the agenda packet in an alternative format, please contact the Authority Board Secretary at (510) 609-1215 or by email at [donalds@recyclemore.com](mailto:donalds@recyclemore.com) with the following information: name, phone number, email, and type of assistance requested. Notification of at least 48 hours prior to the meeting or time when services are needed will assist Authority staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.*

#### **Public Comment**

*Members of the public may address the Board of Directors on items that are within the jurisdiction of the Authority. Comments by the public pertaining to items listed in this Agenda should be made at the time the item is considered by the Board of Directors. Please note this Agenda contains an item for the Public to address the Board on non-agenda matters. Each speaker is limited to 3 minutes and may speak only once under each agenda item. The Board of Directors may waive these provisions. If you desire to address the Board, please submit your request using the instructions above.*



**1. CALL TO ORDER AND ROLL CALL**

The Chair will call the meeting to order and the Secretary will call the roll to establish the presence of a quorum.

**2. CLOSED SESSION**

None.

**3. PLEDGE OF ALLEGIANCE**

The Chair or a Member of the Board will lead the Pledge of Allegiance.

**4. EX PARTE COMMUNICATIONS DISCLOSURES**

The Chair of the Board will ask if any Director has an ex parte disclosure, pursuant to the Authority's Ex Parte Communications Policy, on any agenda items.

**5. PUBLIC COMMENT**

Receipt of public comment on non-agenda matters.

**6. CONSENT CALENDAR**

All matters listed in the Consent Calendar will be enacted with one motion. There will be no separate discussion of the items listed. However, upon request by a member of the Board or the Public, items will be removed from the Consent Calendar and considered separately in the agenda order.

Consideration of a motion to approve the following actions:

**6.0 November 18, 2021 Authority Board Meeting Minutes**

*Note: To vote on the adoption of the minutes does not require a Director to have been present at the subject meeting.*

**6.1 Implementation of AB 361 to Allow Teleconferenced Meeting**

Adopt Resolution No. 21-05 to continue conducting Board of Director meetings remotely due to health and safety concerns for the public and making related findings in compliance with Assembly Bill 361 (2021) ("AB 361") effective December 18, 2021 through January 18, 2022.

***END OF CONSENT CALENDAR***

**7. STAFF REPORT**

Staff will provide updates on recent and upcoming activities.

**Process for Addressing Agenda Items Before the Board of Directors**

- *Chair reads the agenda item*
- *Staff presents their report*
- *Board questions staff*
- *Public comments are heard*
- *Board discusses item*
- *A motion is made*
- *Final Board discussion*
- *Motion is restated and seconded for the record*
- *Board votes or provides direction to staff*

**8. REGULAR AGENDA**

**8.0 Household Hazardous Waste Metrics Report**

Receive and file report on household hazardous waste (HHW) performance metrics for the Richmond HHW Facility, El Cerrito Satellite HHW Facility and for one day special HHW events.

***END OF REGULAR AGENDA***

**9. BOARD MEMBER AND STAFF ANNOUNCEMENTS**

INFORMATION ONLY. Announcement of matters of interest by Board Members, Alternate Board Members, Executive Director and General Counsel.

**10. ADJOURNMENT**

Consideration of a motion to adjourn. The next regular Board of Directors' Meeting is scheduled for January 13, 2022.



# Agenda Report

**Date:** December 8, 2021  
**To:** West Contra Costa Integrated Waste Management Authority Board  
**From:** Peter Holtzclaw, Executive Director  
**Subject:** November 18, 2021 Authority Board Meeting Minutes

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## **ACTION REQUESTED**

Consideration of ADOPTION OF A MOTION to approve the subject minutes.

*Note: To vote on the adoption of the minutes does not require a Director to have been present at the subject meeting.*

## **BACKGROUND**

The minutes of the November 18, 2021 Board meeting are attached.

## **FISCAL IMPACT**

None.

Respectfully Submitted,

*Peter Holtzclaw*

Peter Holtzclaw  
Executive Director

**Attachment 1:** November 18, 2021 Board Meeting Minutes

## WEST CONTRA COSTA INTEGRATED WASTE MANAGEMENT AUTHORITY BOARD OF DIRECTORS MEETING MINUTES – NOVEMBER 18, 2021

**Meeting Date | Time 11/18/2021 6:15 PM | Meeting Location** The meeting was held exclusively via teleconference participation of a quorum of Board members in locations not open to the public in compliance with the Governor's March 4, 2020 State of Emergency Declaration and enactment of Assembly Bill 361 on September 16, 2021 which adopted exemptions to the Ralph M. Brown Act and the proposed findings to be adopted by the Board at this meeting, to be conducted by teleconference only in accordance with Government Code Section 54953(e). No physical location will be available for this meeting. All votes of the Board to be Roll Call votes.

Meeting called by Board of Directors

Type of meeting Special

Authority Staff Present Peter Holtzclaw, Donald Sturman, Andy Schneider, Christina Leard, Lisa Borreani

Legal Counsel John Bakker

### Board Members Present:

Directors: A. Pineda, San Pablo; T. Rudnick, El Cerrito; A. Tave, Pinole; D. Romero, Hercules (Vice-Chair); and G. McLaughlin, R. M. Willis, and N. Bates (Chair), Richmond

Absent: F. Glover (Ex-Officio) Contra Costa County

### CALL TO ORDER/ROLL CALL

Chair Bates called the meeting to order at 6:16 P.M. The Roll Call established the existence of a quorum (Bates, McLaughlin, Pineda,\* Romero, Rudnick, Tave, and Willis\*). \*Directors Pineda and Willis arrived after Roll Call at 6:17 P.M.

### CLOSED SESSION

There was no Closed Session.

### PLEDGE OF ALLEGIANCE

Vice Chair Romero led the Pledge of Allegiance.

### EX-PARTE COMMUNICATIONS & DISCLOSURE

There were no ex-parte communications or disclosures.

### PUBLIC COMMENT

No written comments were submitted, or oral comments made, by any member of the public.

### CONSENT CALENDAR

**MOTION** by Vice Chair Romero to approve Consent Calendar Items 6.0, 6.1, 6.2, and 6.3. **SECOND** by Director McLaughlin.

**MOTION PASSED** by a Roll Call vote, with the temporary absence of Director Willis.

## STAFF REPORT

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### **Staff Report Item 7 - | Presenter | Peter Holtzclaw - Executive Director**

Executive Director Peter Holtzclaw reported that RecycleMore staff were working on the SB 1383 outreach; editing postcards to mail out; and working with the member agencies, Republic Services, El Cerrito, and East Bay Sanitary. He encouraged the Board to check out the website and the numerous Facebook and Instagram postings. He also reported that there had been a very productive meeting with CalRecycle staff, who had been very supportive of RecycleMore's efforts with respect to SB 1383. CalRecycle had also affirmed the timeframe between now and the end of the year for the member agencies to complete their ordinances, and at the beginning of the next year to finalize the Memorandum of Understanding (MOU) and the different aspects related to SB 1383. He added that relations with CalRecycle remained strong.

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### **Agenda Item 8.0 – Receive a Presentation on Recyclist Software Platform from Republic Services | Presenter | Republic Services Staff**

Reagan Chung, along with Cristina Lozano and Layla Chamberlin, Recycling Coordinators with Republic Services, presented an overview of the Recyclist Program Tracker, which offered the ability of waste hauler companies to organize, compile, and make hard data accessible to other agencies and helped to track and compile data related to AB 341, AB 1826, SB 1383 and AB 827. The Recycling Coordinators each walked through a portion of the software and highlighted the format and the details of the information that would be available through the software, the compliance generators for each piece of legislation, and the status of reporting for each piece of legislation by customer, along with a total service overview for each customer by month, generator type, and reporting requirements. It was noted that Recyclist was working to expand the features to include food generators and food recovery, an implementation record, procurement, route reviews and enforcement related to SB 1383.

In response to Vice Chair Romero as to whether the Recyclist program identified self-haulers, Mr. Chung stated that ability was not currently available although the need to include it was being discussed with Recyclist. He also clarified in further response to the Vice Chair as to whether home landscapers would be targeted by SB 1383 that the threshold for SB 1383 compliance was any business generating more than 20 gallons of organic material, which would include homeowner associations (HOAs).

Vice Chair Romero wanted to know the total number of properties that would generate 20 gallons of organic material. He asked staff to provide a consent calendar report and a matrix so that the member agencies could see what other jurisdictions were doing and whether a home landscaper or HOA landscaper would be required to secure a permit. He also asked if any jurisdictions were addressing the possibility of a resident attempting to get into commercial composting at home.

Mr. Holtzclaw advised that he would include that item on the Consent Calendar for the December agenda.

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### **Agenda Item 8.1 – HD-31 Household Hazardous Waste Grant Update | Presenter | Christina Leard – Recycling and Solid Waste Program Manager**

Recycling and Solid Waste Program Manager Christina Leard reported that in 2017 RecycleMore was awarded an HD-31 Household Hazardous Waste grant in the amount of \$100,000 to promote switching from disposal one pound propane cylinders to re-fillable cylinders through the Refuel Your Fun campaign, the statewide program promoting the refillable one pound cylinders. The first goal of the grant was to recruit retailers in the RecycleMore service area to refill, sell or exchange the cylinders. Three retailers in the service area had successfully been recruited for the program: Allied Propane in Richmond, Oliver's Hardware in El Sobrante, and U-Haul in Richmond. She described

the marketing program to identify those locations and the other efforts being pursued to promote the disposal cylinder exchange to refillable cylinders.

Ms. Leard also described the ongoing activities related to the grant and referred to a Propane Pledge where those receiving refillable one pound propane cylinders would pledge to use them. She advised that \$46,200 had been used to offset collection costs for the 2020 El Sobrante Household Hazardous Waste (HHW) event. She also highlighted the challenges involved with respect to supply chain issues and the pandemic, along with a situation where retailers in some cases had been unable to refill cylinders. In those cases, there was a solution through a new program, The Little Kamper exchange/mail-back model, which she described in detail.

In response to Vice Chair Romero as to the number of one-gallon cylinders that would be distributed in the future, Ms. Leard advised that she would provide that information.

Director Pineda noted that the one-day HHW events had become more popular, and he asked if RecycleMore had been tracking the number of people who had been informed of the one-day HHW events.

Ms. Leard advised that the postcards sent by Republic Services had been very successful in that most of those coming to the one-day HHW events had shown the postcard at those events. She stated that HHW events had also advertised the permanent facility, and next year she would like to budget for a postcard mailing just to promote the permanent HHW facility. She clarified that she would provide a full metrics presentation next month as to the participation at each of the one-day HHW events.

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**Agenda Item 8.2 – Public Hearing to Consider Adoption of a Resolution to Approve the Household Hazardous Waste Program Budget for Calendar Year 2022 and Approve the Calendar Year 2022 Post-Collection Rates | Presenter | Garth Schultz, R-3 Consulting, Inc.**

Garth Schultz, of R-3 Consulting, Inc., recapped information that had been submitted to the Board at its last meeting, including the 2022 HHW Budget, Republic Service's 2022 Blended Per Ton Rates, and RecycleMore's 2022 Post-Collection Rates. He requested that the Board conduct a public hearing on the 2022 HHW Budget and the 2022 Post-Collection Rates.

Mr. Schultz explained that the 2021 HHW adopted budget had been escalated for 2022 by 1.87 percent, this year's applicable Consumer Price Index (CPI). The satellite HHW facility, sharps containers and one-day events had been set at Republic's costs for those services. He described the flow forward revenues or expenses over or under budget balancing account previously presented to the Board, and noted that the 2022 budget was comprised of an over expense compared to last year's budget, along with Republic's 15 percent profit margin, and a deduction for hazardous waste revenue collected from small quantity conditional generators. The proposed 2022 HHW Budget was identified at \$1,385,536. He recommended that the 2022 HHW Budget be adopted.

With respect to the 2022 Post-Collection Rates, Mr. Schultz noted it included a translation of RecycleMore's compensation to Republic Services for the post-collection services provided under the Post-Collection Agreement. He identified the calculated 2022 Blended Per Ton Rate of \$107.60, a 1.38 percent increase from the 2021 Blended Per Ton Rate, and stated this year compared to recent years included a recycling rebate portion of the rate crediting more to the ratepayer as a result of a recovered recyclables commodity market in the past 12 months. He added that the ultimate revenue requirement paid to Republic as a component of both the per ton rate and number of tons, which had increased 2.49 percent from the prior year, represented a continuing trend of increased waste generation in West County not inconsistent with other agencies throughout the state and the state as a whole.

Mr. Schultz explained that the blended per ton rate flowed through to the Post-Collection Rate, which covered the sole compensation to Republic for Post-Collection Agreement services provided to the member agencies for landfill disposal, organics processing, recyclables processing and the like, paid essentially by the ratepayers. Mr. Schultz described how those rates were set by the per ton rate by the number of tons and the revenue need that was allocated amongst the waste generation sectors of residential, commercial and industrial customers. The intent was to make sure that the revenue requirement was translated to the ratepayers fairly, equitably and accurately. The proposed Post-Collection Rates by residential, commercial and industrial were identified as an increase of \$0.51 for the smallest residential container to \$2.51 for the largest container; a reduction of \$0.51 per cubic yard per month for commercial; and an increase of \$6.39 per ton for industrial. He recommended that the 2022 Post-Collection Rates be adopted by the Board.

Director McLaughlin noted that she had requested at the last meeting a more detailed expenditure list for regulatory compliance funding.

Mr. Holtzclaw presented the breakdown of the Board approved compliance funding and explained that the funding set aside for SB 1383 and AB 1826 was \$300,000 in total in 2019 (for calendar year 2020), \$225,00 for programs and \$75,000 for staffing; another \$250,000 had been set aside in 2020 (for calendar year 2021) for a total of \$550,000; and an additional \$250,000 had been set aside in 2021 (for calendar year 2022) currently in the rate structure to provide a total \$800,000 of revenue. Only \$61,944 had been spent for Cascadia (\$35,779) and Recyclist (\$26,165) for outreach for AB 1826 and the Recyclist software, which would be an ongoing cost. He anticipated larger expenses looming. The intent was to use the compliance fund for SB 1383 compliance once executing the law. Currently the net compliance fund amount was \$488,046.

Director McLaughlin requested data that would illuminate performance metrics over the past four to five years to include cost per visitor, cost per ton, number of participants at each of the permanent facilities, and at each of the one-day HHW events to be able to understand the program's effectiveness and explain any increase to ratepayers. She requested that those metrics be included in RecycleMore's new website and be linked with the City of Richmond's *Transparent Richmond* website.

Mr. Holtzclaw reported that at the next meeting Ms. Leard would present an in-depth metrics-driven update on HHW. He advised that the current meeting packet included an Exhibit E, the historic rate breakdown of the per ton rates. He noted that the rate was very competitive.

On the discussion, Ms. Leard clarified that at least one, one-day HHW event each year was located in Richmond.

Director Willis thanked staff for the presentation and supported the posting of the data on the RecycleMore website. With respect to the one-day HHW events, he urged consideration of a strategically placed event for those truly in need between the south side and north side of Richmond in the lower income areas.

Director Rudnick sought more transparency in the compliance fund and requested an annual work plan for compliance.

Mr. Holtzclaw stated the work plan would be devised with member agencies, the contractors, and RecycleMore, and staff had made sure that it was all right with CalRecycle that could be developed over the next six months. CalRecycle wanted jurisdictions to adopt the ordinances and create mechanisms to enforce SB 1383 before the end of 2021, and RecycleMore was on track to do that. The next step would be the MOUs to transfer the responsibility to RecycleMore to handle the compliance duties. The work plan would identify the specifics involved.

Director Rudnick wanted to make sure that Republic Services and East Bay Sanitary were being treated equally in the process. Mr. Holtzclaw clarified that he had elevated Republic Services in his comments and reports since he represented the member agencies in a contract with Republic Services, while RecycleMore had no contractual relationship with East Bay Sanitary. He explained that the City of El Cerrito was the link to East Bay Sanitary.

Director Tave thanked Director McLaughlin for her comments and supported the data and the need to make it available to everyone, how the data was presented and getting feedback. He suggested the data would help promote the services offered by RecycleMore along with the mechanisms available to eliminate waste.

Mr. Holtzclaw clarified that the historic Post-Collection Rates as well as all the residential rates had been identified on the RecycleMore website.

Vice Chair Romero noted with respect to the one-day HHW events that the permitted facility had seen an uptick and the one-day events had created a significant amount of participation. He confirmed the popularity of the one-day events and suggested that San Pablo should be considered for a one-day HHW event. With respect to the compliance fund, he explained why the compliance fund had been set up to accommodate future compliance costs without impacting ratepayers. He urged Directors to review Exhibit E to understand what had actually been accomplished and recommended that Exhibit E be included on the website to clarify the budget.

Chair Bates agreed with the desire to select a location in Richmond in the area of greatest need given that illegal dumping had created a serious problem in some areas.

Mr. Holtzclaw stated he would speak to Republic Services on how to handle the increase in illegal dumping and to provide one-day HHW events in different locations.

The public hearing was opened at this time.

No written comments were submitted, or oral comments made, by any member of the public.

On motion by Director Willis, seconded by Director McLaughlin and carried unanimously to close the public hearing.

**MOTION** by Director Willis, **SECOND** by Director Tave to adopt Resolution No. 21-04, which included Exhibits A, B, C, D and E, to Approve the Household Hazardous Waste Program Budget in the amount of \$1,385,536 for Calendar Year 2022 as set forth in Exhibit A to the Resolution; and to Approve the 2022 Post-Collection Rates for the Republic Services Collection Service Area as set forth in Exhibit B to the Resolution.

**MOTION PASSED** unanimously by a Roll Call vote.

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**Agenda Item 8.3 – Discussion – SB 1383 Memorandum of Understanding (MOU) | Presenter | Peter Holtzclaw – Executive Director**

Executive Director Holtzclaw updated the Board on the MOU, stated the MOU had been circulated, official comments had been received from some although more comments were expected, and he was working with Meyers Nave for a new draft to update the MOU and return it to the City Managers for their approval. An MOU approved by the member agencies was hoped to be brought to the Board in January or February 2022. He stated so far the comments were good and detailed, which would provide a better document.

Director Rudnick suggested that when the updated MOU was presented there be a strong work plan to track the requirements.

Mr. Holtzclaw stated the work plan was being formulated along with the MOU.

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**Agenda Item 8.4 – Reschedule January 2022 Board Meeting | Presenter | Peter Holtzclaw – Executive Director**

Executive Director Holtzclaw highlighted the past practices of the Board related to meetings in December and January, and in light of AB 361 requiring the Board to meet every 30 days or less along with the usual conflict with the Mayors’ Conference in January, he recommended that the Board meet as usual in December on December 9, that it meet on January 6, 2022 solely to adopt AB 361 findings and observe the 30-day meeting requirement, and then reschedule the regular meeting set for January 13 to January 20, 2022.

On the discussion and the interpretation of the need for a special meeting to comply with the 30-day meeting requirement under AB 361, Mr. Holtzclaw recommended that at the December 9, 2021 meeting there be a clarification of the need for a special meeting in early January.

**BOARD MEMBER AND STAFF ANNOUNCEMENTS**

There were no Board Member or staff announcements.

**ADJOURNMENT**

With consensus of the Board, Chair Bates adjourned the meeting at 7:54 P.M. until the regular Board meeting scheduled for December 9, 2021 at 6:15 P.M.

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I hereby certify the foregoing to be a true and correct statement of the Official Minutes of the West Contra Costa Integrated Waste Management Authority Board meeting held November 18, 2021.

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Board Secretary

Date



**recyclemore**  
WEST CONTRA COSTA INTEGRATED  
WASTE MANAGEMENT AUTHORITY

# Agenda Report

**Date:** December 9, 2021  
**To:** West Contra Costa Integrated Waste Management Authority Board  
**From:** Peter Holtzclaw, Executive Director  
**Subject:** Implementation of AB 361 to Allow Teleconferenced Meeting

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## **ACTION REQUESTED**

Adopt Resolution No. 21-05 to continue conducting Board of Director meetings remotely due to health and safety concerns for the public and making related findings in compliance with Assembly Bill 361 (2021) (“AB 361”) effective December 18, 2021 through January 18, 2022.

## **BACKGROUND**

On March 4, 2020, Governor Newsom declared a State of Emergency to make additional resources available, formalize emergency actions already underway across multiple state agencies and departments, and help the State address the broader spread of COVID-19.

On March 17, 2020, in response to the COVID-19 pandemic, Governor Newsom issued Executive Order N-29-20, which suspended certain provisions of the Ralph M. Brown Act (“**Brown Act**”) in order to allow local legislative bodies to conduct meetings telephonically or by other means. Additionally, the State implemented a shelter-in-place order, requiring all non-essential personnel to work from home.

The Board of Directors established virtual meetings. The virtual meetings have allowed the Board to continue to conduct its business from remote locations while ensuring the public’s continued access to government meetings in a safe manner.

On June 11, 2021, Governor Newsom issued Executive Order N-08-21, which among other things, rescinded certain clauses of Executive Order N-29-20 after September 30, 2021, including clauses that suspended certain provisions of the Brown Act. Thus, effective October 1, 2021, agencies would have had to transition back to in person public meetings. Since the Governor issued Executive Order N-08-21, the highly contagious Delta variant has emerged, causing a spike in cases throughout the state and within Contra Costa County.

On August 2, 2021, the Contra Costa County Health Officer issued a Health Order requiring all individuals in both Counties, regardless of vaccination status, to wear face coverings in all indoor public settings and businesses for the control of COVID-19. The August 2, 2021 Public Health Officer Order will be in effect until rescinded, superseded or amended.

On September 16, 2021, Governor Newsom signed AB 361, which was an urgency measure that became effective on October 1, 2021, and it allows a local agency to use teleconferencing for public meetings during

## Agenda Item No. 6.1

a Governor-proclaimed state of emergency as long as the legislative body adopts findings every 30 days that: 1) meeting in person would present imminent risks to the health or safety of attendees as a result of the emergency; or 2) state or local officials have imposed or recommended measures to promote social distancing.

In such circumstances, a legislative body is not required to make available a physical location from which members of the public may observe the meeting and offer public comment or required to have a quorum of the members of the legislative body participate from locations within the boundaries of the agency's jurisdiction in the following circumstances:

- The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
- The legislative body holds a meeting during a proclaimed state of emergency to determine, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees; or
- The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

The legislative body must make certain findings by majority vote every 30 days to continue using AB 361's teleconferencing requirements.

An additional provision of AB 361 states that, in the event of a disruption within the local agency's control that prevents members of the public from offering public comments using the call-in option or internet-based service option, the legislative body is prohibited from taking any further action on items appearing on the meeting agenda until public access to the meeting via the call-in or internet-based options is restored.

These new provisions are only operative until January 1, 2024, at which point they are repealed, and the prior Brown Act teleconferencing requirements become effective again.

The California Department of Public Health (CDPH) and the Federal Centers for Disease Control and Prevention (CDC) caution that the Delta Variant of COVID-19, is more transmissible than prior variants of the virus, may cause more severe illness, and even fully vaccinated individuals can spread the virus to others resulting in rapid and alarming rates of COVID-19 cases and hospitalizations. The very recent emergence of the Omicron Variant of COVID-19 has resulted in the CDC's designation of it as Variant of Concern noting that it may spread more easily than other Variants, including Delta, and that fully vaccinated people who become infected with the Omicron Variant can spread the virus to others. In fact, the first verified case of the Omicron Variant in the United States has been confirmed as an individual in the Bay Area who was fully vaccinated.

The Authority meets the requirements to continue holding meetings remotely in order to ensure the health and safety of the public:

- The Governor has declared a State of Emergency related to the COVID-19 pandemic; and
- County Health Orders require that individuals in indoor public spaces wear masks and the CDC recommends social distancing of at least six feet due to COVID-19; and

- The Delta variant of COVID-19 has resulted in a significant increase of COVID-19 cases within the state and throughout Contra Costa County.

Thus, meeting in person for Board meetings would present imminent risks to the health and safety of attendees, the Board and staff. In the interest of public health and safety, as affected by the emergency caused by the spread of COVID-19, Authority staff recommends invoking the provisions of Assembly Bill 361 related to teleconferencing.

The Board must make its own determination and findings, no later than 30 days after the adoption of Resolution 21-03, in order to continue to hold teleconferenced meetings in accordance with AB 361. At this time, Staff intends to schedule special Board meetings every 30 days, if necessary, to consider adoption of similar findings in the future. Staff will return no later than January 18, 2022 with an item for the Board of Directors to consider whether to continue meeting under the provisions of Assembly Bill 361.

**FISCAL IMPACT**

None.

Respectfully Submitted,

*Peter Holtzclaw*

Peter Holtzclaw  
Executive Director

**Attachment 1:** Proposed Resolution No. 21-05

**RESOLUTION NO. 21-05**

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
WEST CONTRA COSTA INTEGRATED WASTE MANAGEMENT AUTHORITY  
AUTHORIZING TELECONFERENCE MEETINGS PURSUANT TO ASSEMBLY BILL  
361 EFFECTIVE DECEMBER 19 THROUGH JANUARY 18, 2022**

**WHEREAS**, on March 4, 2020, Governor Gavin Newsom proclaimed the existence of a state of emergency in California under the California Emergency Services Act, Government Code section 8550 et seq. (Declaration); and

**WHEREAS**, on March 17, 2020, Governor Gavin Newsom issued Executive order N-29-20 (Executive Order), which suspended the teleconferencing rules set forth in California Open Meeting law, the Ralph M. Brown Act (California Government Code §§ 54950 – 54963), provided certain requirements were met and followed; and

**WHEREAS**, on June 11, 2021, Governor Gavin Newsom issued Executive Order N-08-21, which clarified the suspension of the teleconferencing rules set forth in the Ralph M. Brown Act and further provided that those provisions would remain suspended through September 30, 2021; and

**WHEREAS**, on September 16, 2021, Governor Gavin Newsom signed Assembly Bill 361, which provides that under Government Code section 54953(e), a legislation body subject to the Ralph M. Brown Act may continue to meet using teleconferencing without complying with the non-emergency teleconferencing rules in Government Code section 54953(b)(3) if a proclaimed state of emergency exists and state or local officials have imposed or recommended measures to promote social distancing; and

**WHEREAS**, such conditions exist in the West Contra Costa Integrated Waste Management Authority (RecycleMore) jurisdiction. In addition to the Governor’s Declaration, the Contra Costa County Health Officer has issued numerous Health Orders regarding safety protocols during the COVID-19 pandemic. In particular, on August 2, 2021, the Contra Costa County Health Officer issued an Order requiring all individuals in the County, regardless of vaccination status, to wear face coverings in all indoor public settings and businesses for the control of COVID-19. The Order was amended as of November 1, 2021 to allow groups of fully vaccinated individuals to remove masks indoors under limited circumstances, but the amendment does not apply to indoor spaces “open to the general public”. This Public Health Officer Order will be in effect until rescinded, superseded or further amended; and

**WHEREAS**, The California Department of Public Health (CDPH) and the Federal Centers for Disease Control and Prevention (CDC) caution that the Delta Variant of COVID-19, is more transmissible than prior variants of the virus, may cause more severe illness, and even fully vaccinated individuals can spread the virus to others resulting in rapid and alarming rates of COVID-19 cases and hospitalizations; and

WHEREAS, on November 18, 2021, the Board of Directors adopted Resolution No. 21-03 initially authorizing teleconferenced meetings to be conducted pursuant to AB 361 from November 18, 2021 to December 18, 2021; and

WHEREAS, the very recent emergence of the Omicron Variant of COVID-19 has resulted in the CDC's designation of it as Variant of Concern noting that it may spread more easily than other Variants, including Delta, and that fully vaccinated people who become infected with the Omicron Variant can spread the virus to others. In fact, the first verified case of the Omicron Variant in the United States has been confirmed as an individual in the Bay Area who was fully vaccinated; and

WHEREAS, in the interest of public health and safety, as affected by the emergency caused by the spread of COVID-19, RecycleMore intends to continue utilizing the provisions of Assembly Bill 361 related to teleconferencing in the manner authorized by Government Code § 54953(e), and such legislative body shall comply with the requirements to provide the public with access to the meetings as prescribed in Government Code § 54953(e)(2); and

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the West Contra Costa Integrated Waste Management Authority as follows:

1. The Recitals set forth above are true and correct and are incorporated herein by reference.
2. In compliance with AB 361 (2021), and in order to continue to conduct teleconference meetings without complying with the usual teleconference meeting requirements of the Ralph M. Brown Act, the Board of Directors makes the following findings:
  - a. The Board of Directors has considered the circumstances of the state of emergency; and
  - b. The state of emergency, as declared by the Governor, continues to directly impact the ability of the Board of Directors, including RecycleMore's legislative bodies and staff, as well as staff and members of the public, from meeting safely in person; and
  - c. The CDC and Contra Costa County Department of Public Health continue to recommend physical distancing of at least six feet due to COVID-19 and as a result of the presence of COVID-19 and the Delta and Omicron Variants, meeting in person would present imminent risks to the health or safety of attendees, the legislative bodies and staff.
3. The Board of Directors and RecycleMore's legislative bodies may continue to meet remotely in compliance with AB 361, in order to better ensure the health and safety of the public and staff in accordance with the provisions of Government Code section 54953(e).

- 4. The Board of Directors will revisit the need to conduct meetings remotely before January 18, 2022.
- 5. Staff is authorized and directed to take all actions necessary to implement the intent and purpose of this resolution, including conducting open and public meetings in accordance with Government Code section 54953(e) and all other application provisions of the Ralph M. Brown Act; and
- 6. Staff is directed to return no later than January 18, 2022 with an item for the Board of Directors of the West Contra Costa Integrated Waste Management Authority to consider whether to continue meeting under the provisions of Assembly Bill 361.

**ATTEST:**

**CHAIR OF THE BOARD**

\_\_\_\_\_  
Donald Sturman – Authority Secretary      Date

\_\_\_\_\_  
Nathaniel Bates      Date

I hereby certify that the foregoing resolution was adopted by the Board of Directors of the West Contra Costa Integrated Waste Management Authority at its meeting of December 9, 2021, by the following vote:

AYES:            Directors: \_\_\_\_\_

NOES:            Directors: \_\_\_\_\_

ABSENT:            Directors: \_\_\_\_\_

\_\_\_\_\_  
Donald Sturman, Authority Secretary

5025139.1



# Agenda Report

**Date:** December 9, 2021  
**To:** West Contra Costa Integrated Waste Management Authority Board  
**From:** Christina Leard, HHW Program Manager  
**Subject:** Household Hazardous Waste Metrics Report

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## **ACTION REQUESTED**

Receive and file report on household hazardous waste (HHW) performance metrics for the Richmond HHW Facility, El Cerrito Satellite HHW Facility and for one day special HHW events.

## **BACKGROUND**

Republic Services (Republic), and each of its affiliates, provides Post-Collection Services to the Authority through an agreement between Republic and the Authority. This agreement is often called simply the Post-Collection Agreement, or PCA. This includes the services and facilities of Golden Bear Transfer Station, Keller Canyon Landfill, West Contra Costa Sanitary Landfill (WCCSL) Organics Processing Facility, and West County Resource Recovery.

A very important and highly visible service provided as part of the PCA is household hazardous waste (HHW) services. At the October 2021 Board meeting, the Board directed staff to return with a report on household hazardous waste (HHW) program participation, cost per ton and other metrics.

## **HHW PROGRAM METRICS**

Sweetser and Associates has completed a metrics report addressing HHW Programs at the West County Resource Recovery (WCRR) and El Cerrito HHW Facilities, and also special one-day events. The metrics study is included with this report as Attachment 1.

## **SUMMARY**

The summary below is taken from the last page of the attached metrics report (see Attachment 1 for additional details). The increase in program options, El Cerrito Satellite Facility on Tuesday, Wednesday Richmond Facility availability, and one-day events, have significantly increased participation and the amount of HHW collected. Specific changes identified in this review include:

- The El Cerrito Facility has significantly increased the participation of El Cerrito Residents as well as neighboring Richmond residents.
- El Cerrito residents and other service area residents prefer to use the local HHW Facility which is only open one day per week rather than the Richmond Facility open four days per week but further away.

- The one-day events are popular especially with Hercules and El Sobrante residents.
- Participation in the Architectural Paint Stewardship Program continues to provide significant cost savings.
- The reuse program is increasing in usage saving significant disposal costs.
- Participants report that they have significantly used the facility previously.
- Residents deliver HHW to the facility fairly consistently throughout the day.

### **FISCAL IMPACT**

There is no fiscal impact associated with receiving this report.

Respectfully Submitted,

*Christina Leard*

Christina Leard  
HHW Program Manager

**Attachment 1:** Household Hazardous Waste Program Metrics Analysis provided by Sweetser & Associates

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# West County Costa Integrated Waste Management Authority



## Household Hazardous Waste Program Metrics Analysis



Prepared by  
Sweetser & Associates, Inc.  
November 2021

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## RecycleMore Household Hazardous Waste Program Metrics Report

### Objective

The West Contra Costa Integrated Waste Management Authority (WCCIWMA) and its contractor, West County Resource Recovery (WCRR) a division of Republic Services, operate one of the most robust Household Hazardous Waste (HHW) programs in California. The West County HHW program continues to provide increased household hazardous waste services to service area residents.

RecycleMore requested this update of the West County Household Hazardous Waste (HHW) Program. The previous update was in July 2018 with the previous update in October 2017 shortly after the opening of the El Cerrito Satellite Household Hazardous Waste Facility (6/20/17) and the addition of the Richmond Facility's opening on Wednesday (8/2/17). The El Cerrito Facility has now been open over four years. There were also three one-day HHW events held annually since 2017 in Hercules, El Sobrante, and Richmond. In addition, a Door-to-Door program has been serving elderly and disabled residents since January 2009.

The West County Household Hazardous Waste program has continued to provide service with some impacts due to COVID-19 including some temporary decrease in participation and a pause in the Door-to-Door program.

This review will focus on the following metrics for the program:

- Review the participation per program.
- Review pounds of HHW collected.
- Compare Richmond and El Cerrito Facility usage.
- Review participation by jurisdiction.
- Present Reuse Program quantities and cost savings.
- Present savings from the Architectural Paint Stewardship Program participation.
- Analyze time of day of HHW Delivery.

### Participation Analysis

The HHW program participation since January 2016 through June 2018 is presented in the chart and table below. The tables indicate the number of participants per month with the first table indicating all participants and the second table is without the one-day HHW events participation. The graph below indicates HHW program participation for January 2016 through June 2018. The table below shows participation since 2012. Participation dropped during 2012 to 2014 then increased subsequent years even when not including the participation at the one-day events. Seasonal fluctuations are also obvious (slow in winter).

RecycleMore Household Hazardous Waste Program Metrics Report

**Participation Totals Facilities with Events**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2012	719	723	798	661	808	779	791	908	758	673	680	577	8,875
2013	706	670	739	634	828	734	656	925	632	712	625	492	8,353
2014	730	517	620	642	764	747	819	846	689	773	507	367	8,021
2015	826	653	757	834	804	682	891	883	729	937	705	517	9,218
2016	639	694	633	1,009	791	905	982	900	873	661	597	729	9,413
2017	572	605	871	763	784	1,040	1,436	1,608	1,376	931	837	910	11,733
2018	777	789	759	822	1,376	909	982	1,614	1,128	921	723	668	11,468
2019	831	733	987	1,507	1,043	1,068	1,245	1,654	1,383	987	954	683	13,075
2020	1,046	1,007	580	439	745	1,939	1,068	1,888	1,908	938	771	654	12,983
2021	884	975	1,210	1,232	1,195	2,152	1,244	1,797	1,557	966	0	0	13,212

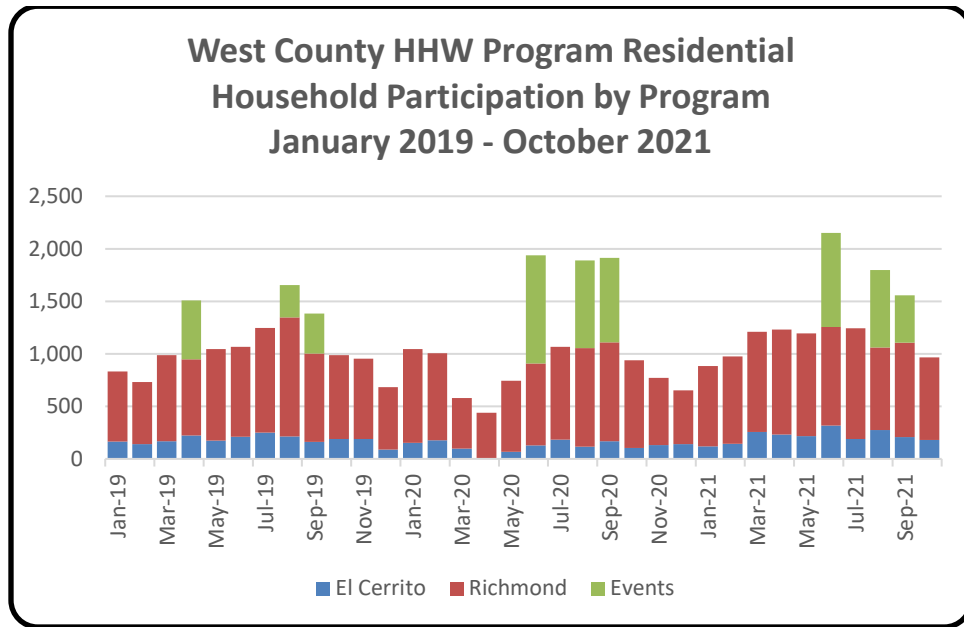
**Participation Totals Permanent Facilities Only**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2012	719	723	798	661	808	779	791	908	758	673	680	577	8,875
2013	706	670	739	634	828	734	656	925	632	712	625	492	8,353
2014	730	517	620	642	764	747	819	846	689	773	507	367	8,021
2015	826	653	757	834	804	682	891	883	729	937	705	517	9,218
2016	639	694	633	1,009	791	905	982	900	873	661	597	729	9,413
2017	572	605	871	763	784	1,040	984	1,028	1,106	931	837	910	10,431
2018	777	789	759	822	920	909	982	1,048	878	921	723	668	10,196
2019	831	733	987	948	1,043	1,068	1,245	1,348	1,004	987	954	683	11,831
2020	1,046	1,007	580	439	745	907	1,068	1,056	1,102	938	771	654	10,313
2021	884	975	1,210	1,232	1,195	1,256	1,244	1,060	1,105	966	0	0	11,127

- Richmond opens every Saturday 3/14/15
- El Cerrito Satellite HHW Opens 6/20/17
- Richmond HHW Facility opens Wednesdays 8/2/17
- Temporary HHW Events

RecycleMore Household Hazardous Waste Program Metrics Report

The graph below depicts the participation for the period January 1, 2019 through October 31, 2021.



Participation at the HHW programs has fluctuated throughout the years with the change compared to previous years indicated in the table below.

Period	Change with Events	Change without Events
2012-2013	-6%	-6%
2013-2014	-4%	-4%
2014-2015	15%	15%
2015-2016	2%	2%
2016-2017	25%	11%
2017-2018	-3%	-3%
2019-2020	14%	17%

RecycleMore Household Hazardous Waste Program Metrics Report

**Jurisdiction Participation**

Each jurisdiction’s participation at both permanent facilities, from 2012 through 2021 Year to Date (YTD as of 10/31/21) are indicated in the table below and indicates an increasing trend of usage.

Annual West County Permanent HHW Facility Participation (Richmond and El Cerrito)										
Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 YTD
El Cerrito	1,077	898	845	962	961	1,503	1,771	1,804	1,650	2,008
El Sobrante	908	831	830	1,004	1,008	1,042	921	1,126	632	566
Hercules	624	670	629	713	822	945	840	974	848	784
Pinole	848	831	828	1,032	981	992	931	1,094	1,008	1,065
Pt. Richmond	229	100	161	1	102	191	189	169	17	0
Richmond	3,324	3,272	3,007	3,544	3,493	3,634	3,504	4,139	4,055	4,597
San Pablo	1,304	1,269	1,215	1,377	1,396	1,504	1,378	1,789	1,557	1,548
Crockett	138	145	127	128	148	146	141	170	98	127
Kensington	157	138	185	193	189	202	233	249	179	201
Port Costa	14	6	10	5	6	5	7	14	10	6
Rodeo	252	191	177	248	243	280	244	262	251	241
Tormey	0	0	0	0	0	0	0	0	1	0
Other Residential	0	2	7	11	12	24	37	41	7	0
<b>TOTAL</b>	<b>8,875</b>	<b>8,353</b>	<b>8,021</b>	<b>9,218</b>	<b>9,361</b>	<b>10,468</b>	<b>10,196</b>	<b>11,831</b>	<b>10,313</b>	<b>11,143</b>

Participation at the Richmond and El Cerrito HHW Facilities for the period of January 2020 through October 2021 is indicated in the table below.

2020			
Facility	El Cerrito	Richmond	Total
El Cerrito	813	837	1,650
El Sobrante	38	594	632
Hercules	29	819	848
Pinole	45	963	1,008
Pt. Richmond	2	15	17
Richmond	488	3,567	4,055
San Pablo	41	1,516	1,557
Crockett	0	98	98
Kensington	3	176	179
Port Costa	0	10	10
Rodeo	1	250	251
Tormey	0	1	1
Other Residential	3	4	7
<b>TOTAL</b>	<b>1,463</b>	<b>8,850</b>	<b>10,313</b>

2021 - January through October		
El Cerrito	Richmond	Total
1,254	754	2,008
87	479	566
34	750	784
50	1,015	1,065
0	0	0
671	3,926	4,597
49	1,499	1,548
2	125	127
5	196	201
0	6	6
4	237	241
0	0	0
0	0	0
2,156	8,987	11,143

RecycleMore Household Hazardous Waste Program Metrics Report

**Weekly Participation**

The Permanent HHW facilities continued regular operations during COVID-19 except for when the El Cerrito facility closed from March 17, 2020 through May 12, 2020 when the El Cerrito Recycling & Environmental Resource Center was also closed. Participation by day of the week is reflected in the table below. Participation rebounded and remained mostly consistent with fairly even participation on all operating days. Note that Tuesday HHW Operations occur at El Cerrito and Wednesday through Saturday operations occur at Richmond.

Month	Tue	Wed	Thu	Fri	Sat	Total
<b>2020</b>	<b>1,463</b>	<b>2,219</b>	<b>2,090</b>	<b>2,260</b>	<b>2,281</b>	<b>10,313</b>
Jan	154	173	242	280	197	1,046
Feb	177	174	181	191	284	1,007
Mar	99	147	112	124	98	580
Apr	0	164	109	89	77	439
May	69	172	135	178	191	745
Jun	128	225	192	195	167	907
Jul	183	263	263	199	160	1,068
Aug	116	225	201	218	296	1,056
Sep	162	233	220	227	260	1,102
Oct	103	158	205	233	239	938
Nov	131	134	126	210	170	771
Dec	141	151	104	116	142	654

<b>2021</b>	<b>2,156</b>	<b>2,295</b>	<b>2,202</b>	<b>2,176</b>	<b>2,314</b>	<b>11,143</b>
Jan	119	136	192	163	274	884
Feb	143	225	199	173	235	975
Mar	258	316	218	216	202	1,210
Apr	232	235	294	253	218	1,232
May	216	233	222	241	283	1,195
Jun	319	287	193	218	239	1,256
Jul	189	248	258	302	247	1,244
Aug	291	188	214	201	182	1,076
Sep	208	237	244	196	220	1,105
Oct	181	190	168	213	214	966

RecycleMore Household Hazardous Waste Program Metrics Report

**Pounds and Waste Types Collected**

The pounds of HHW collected starting in FY 2012 are indicated in the table below.

Period	Richmond	El Cerrito	Events	Door-to-Door	Other	Total
2012-2013	826,380			6,967		833,347
2013-2014	710,151			8,675	6,016	724,842
2014-2015	746,062			42,132		788,194
2015-2016	721,528			82,833	13	804,374
2016-2017	722,007		22,454	23,497	345	768,303
2017-2018	579,841	185,592	185,592	31,213		982,238
2018-2019	504,482	166,582	102,812	14,907	0	788,783
2019-2020	496,726	135,230	126,964	13,265	1,370	773,555
2020-2021	635,753	167,996	169,392	3,346	115	976,602

The amount of HHW collected increased between 2016 and 2017, mostly due to the amount of HHW collected at the one-day events and opening of the El Cerrito Facility. Door-to-Door collection was temporarily suspended in 2020-2021 due to Covid precautions, which explains the low volume of HHW collected during that time.

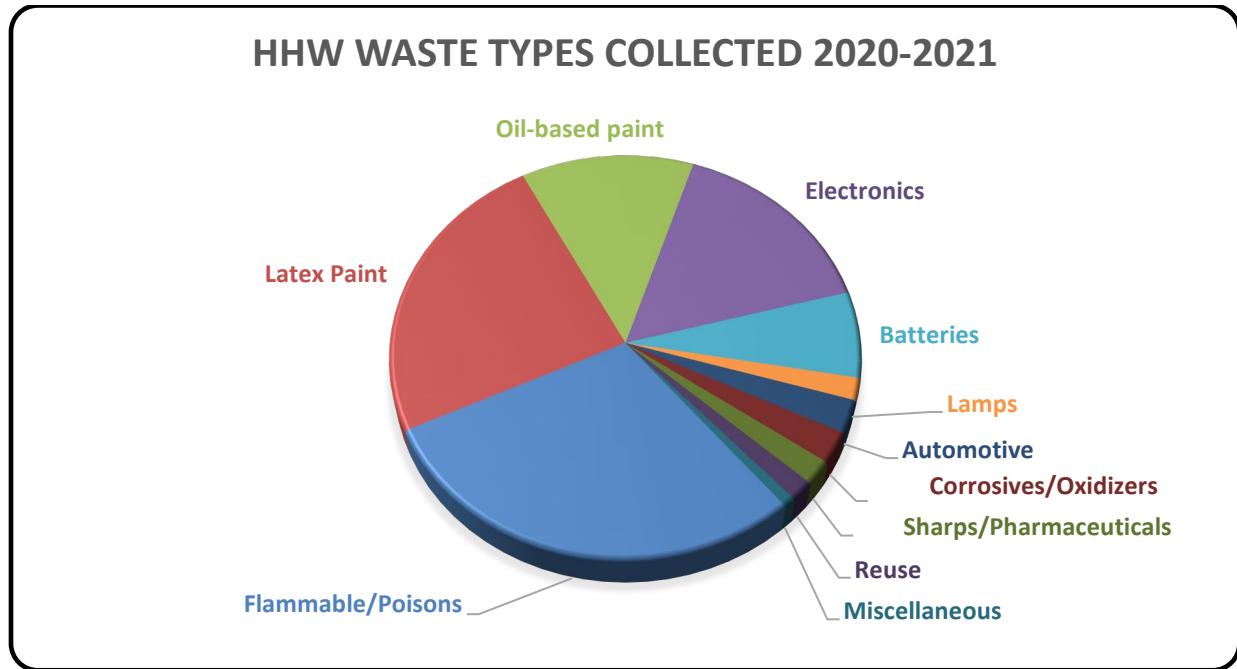
The types and amounts of HHW collected during FY 2020-2021 are indicated in the chart below:

Waste Classification	Richmond	El Cerrito	Events	Door-to-Door	Retail	Total
<b>Common HHW (pounds)</b>						
Flammable/Poisons	175,297	51,888	57,731	40		<b>284,956</b>
Latex Paint	152,275	20,563	63,537	170		<b>236,545</b>
Oil-based paint	84,382	28,152	11,592	70		<b>124,196</b>
Corrosives/Oxidizers	11,926	7,556	4,720	0		<b>24,202</b>
Miscellaneous	3,653	35	1,260	0		<b>4,948</b>
<b>El Cerrito Recycle-Only</b>						
Batteries	17,091	44,570	5,435	0	115	<b>67,211</b>
Lamps	8,024	7,618	1,580	0		<b>17,222</b>
Sharps	7,543	3,012	0	1,406		<b>11,961</b>
Pharmaceuticals	635	4,602	0	1,525		<b>6,762</b>
<b>Richmond Only</b>						
Asbestos	2,625	0	110	0		<b>2,735</b>
Electronics	136,686	0	18,152	100		<b>154,938</b>
Automotive	20,410	0	5,275	35		<b>25,720</b>
Reuse	15,206	0	0	0		<b>15,206</b>
<b>TOTAL</b>	<b>635,753</b>	<b>167,996</b>	<b>169,392</b>	<b>3,346</b>	<b>115</b>	<b>976,602</b>

The sharps and pharmaceuticals collected under the Door-to-Door program are almost entirely collected from the kiosks located around the service area. The miscellaneous wastes include contaminated absorbent, fire extinguishers, mercury-containing equipment, smoke alarms, and PCB wastes.

RecycleMore Household Hazardous Waste Program Metrics Report

The types of HHW collected during FY 2020-2021 are indicated in the graph below:



**Waste Type Comparison between Richmond and El Cerrito HHW Facilities**

The “El Cerrito Recycle-Only” HHW indicates HHW accepted at the El Cerrito Recycling & Environmental Resource Center during all center operating days but processed through the West County HHW program on Tuesdays. The “Richmond Only” are HHW only accepted or managed at the Richmond Permanent HHW Facility.

The Richmond permanent HHW Facility is open four days per week (Wednesday through Saturday) for collecting from households. The El Cerrito permanent Facility accepts HHW on Tuesdays but the City of El Cerrito Recycling & Environmental Resource Center accepts, during all center operating days, certain HHW such as batteries, lamps, sharps, and pharmaceuticals that are included in the RecycleMore sponsored HHW program. Used oil and filters are funded by the El Cerrito used oil funds administered by RecycleMore. El Cerrito handles its own electronics wastes.

Comparing the amount of HHW collected between Richmond and El Cerrito permanent facilities is best achieved by adjusting amounts to a daily acceptance amount. The Richmond numbers are divided by four operating days. The quantity of wastes accepted at El Cerrito all days are divided by six days per week. This comparison is shown in the table below:

## RecycleMore Household Hazardous Waste Program Metrics Report

<b>Comparison between Richmond and El Cerrito HHW Facilities (pounds) FY2020-2021</b>			
<b>Waste Classification</b>	<b>Richmond/Day</b>	<b>El Cerrito</b>	<b>El Cerrito/Day</b>
<b>Common HHW</b>			
<b>Flammable/Poisons</b>	<b>43,824</b>	<b>51,888</b>	<b>51,888</b>
<b>Latex Paint</b>	<b>38,069</b>	<b>20,563</b>	<b>20,563</b>
<b>Oil-based paint</b>	<b>21,096</b>	<b>28,152</b>	<b>28,152</b>
<b>Corrosives/Oxidizers</b>	<b>2,982</b>	<b>7,556</b>	<b>7,556</b>
<b>Miscellaneous</b>	<b>913</b>	<b>35</b>	<b>35</b>
<b>El Cerrito Recycle-Only</b>			
<b>Batteries</b>	<b>4,273</b>	<b>44,570</b>	<b>7,428</b>
<b>Lamps</b>	<b>2,006</b>	<b>7,618</b>	<b>1,270</b>
<b>Sharps</b>	<b>1,886</b>	<b>3,012</b>	<b>502</b>
<b>Pharmaceuticals</b>	<b>159</b>	<b>4,602</b>	<b>767</b>
<b>Total Without Richmond Only</b>	<b>115,207</b>	<b>167,996</b>	<b>118,161</b>
<b>Asbestos</b>	<b>656</b>	<b>0</b>	<b>0</b>
<b>Electronics</b>	<b>34,172</b>	<b>0</b>	<b>34,172</b>
<b>Automotive</b>	<b>5,103</b>	<b>0</b>	<b>5,103</b>
<b>Reuse</b>	<b>3,802</b>	<b>0</b>	<b>3,802</b>
<b>TOTAL ALL WASTES</b>	<b>158,282</b>	<b>167,996</b>	<b>161,237</b>

On average, the El Cerrito HHW facility daily processes about the same amount of HHW but significantly more batteries and pharmaceuticals than Richmond. Richmond daily processes more lamps and sharps than El Cerrito on average. Preparing the batteries collected at El Cerrito require most of one HHW contractor staff person's time.

RecycleMore Household Hazardous Waste Program Metrics Report

**Temporary HHW Events**

Starting in 2017, there have been three temporary hazardous waste events conducted annually. Jurisdiction participation for the 2020 and 2021 events are indicated in the table below:

<b>Participation for Temporary Events</b>						
<b>Period</b>	<b>6/27/2020</b>	<b>8/29/2020</b>	<b>9/19/2020</b>	<b>6/26/2021</b>	<b>8/28/2021</b>	<b>9/18/2021</b>
<b>Location</b>	<b>Hercules</b>	<b>El Sobrante</b>	<b>Richmond</b>	<b>Hercules</b>	<b>El Sobrante</b>	<b>Richmond</b>
El Cerrito	1	4	18	2	24	11
El Sobrante	5	284	26	5	217	13
Hercules	589	10	11	570	7	9
Pinole	223	15	8	171	111	3
Pt. Richmond						
Richmond	12	366	715	3	267	380
San Pablo		145	27		104	36
Crockett	53	4		44		
Kensington						
Port Costa	6			3		
Rodeo	138		1	96	3	
Tormey	2			1		
Other Residential	3	4		1	4	
<b>TOTAL</b>	<b>1,032</b>	<b>832</b>	<b>806</b>	<b>896</b>	<b>737</b>	<b>452</b>

**Reuse Program Amounts and Cost Savings**

Certain household hazardous waste received at the Richmond Facility are in good condition and are set aside for the public to take for use as intended rather than sent for disposal. This program is very popular with the public and material set aside is quickly removed. Not all collected HHW is eligible for reuse (e.g., batteries, e-waste, lamps, sharps, used oil).

About 2% of the incoming HHW was set aside for reuse during 2020 with an additional 14,992 pounds of latex and oil-based paint sent for reuse and was reimbursed under the PaintCare Stewardship program. The table below shows the pounds of reuse set aside by year. Some 2020 reuse data was extrapolated due to unavailable records. There was a decrease in 2020 from the previous year high likely due to COVID-19 impacts.

<b>Year</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021 YTD</b>
<b>Pounds</b>	17,303	30,024	19,778	31,097	19,130	14,973

The contracted facility staff have been instructed to increase efforts to direct eligible materials to the reuse program. The reuse program is only offered at the Richmond Facility at this time. Using an estimate of \$0.80 per pound for disposal, the reuse program saves significant costs.

RecycleMore Household Hazardous Waste Program Metrics Report

**Architectural Paint Stewardship Program Savings**

The West County HHW program has been participating in the Architectural Paint Stewardship program which funds the management of architectural paint. In addition, there are two PaintCare sponsored drop-off locations in the RecycleMore service area – Kelly-Moore in San Pablo and Westlake Hardware in Pinole. Home Depot in Hercules has been approached several times with requests to participate in accepting paint under the Paint Stewardship Program and has declined. The table below presents the amount of architectural latex and oil-based paint collected by the HHW program and the estimated cost if this amount of paint collected was not eligible under the stewardship program. PaintCare does not release data on quantities or costs for the retail collection sites.

<b>Pounds Collected</b>	<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>
<b>Richmond, Latex Paint</b>	120,299	119,928	65,713	65,765	136,280
<b>El Cerrito, Latex Paint</b>	NA	27,611	37,931	24,282	20,563
<b>Temporary Events, Latex</b>	7,677	46,909	42,052	19,297	63,537
<b>Total Latex Paint</b>	127,976	194,448	145,696	109,344	220,380
<b>Richmond, Oil-based Paint</b>	76,112	41,894	53,220	110,000	77,357
<b>El Cerrito, Oil-based Paint</b>		11,010	17,603	11,670	28,152
<b>Temporary Events, Oil-Based</b>	2,353	7,551	6,606	9,280	11,592
<b>Total Oil-Based Paint</b>	78,465	60,455	77,429	130,950	117,101
<b>PaintCare Savings</b>					
<b>Latex Paint</b>	\$63,988	\$97,224	\$72,848	\$54,672	\$110,190
<b>Oil-based Paint</b>	\$44,464	\$34,258	\$43,876	\$74,205	\$66,357
<b>Total Savings</b>	\$108,452	\$131,482	\$116,724	\$128,877	\$176,547

**Analyze time of day of HHW Delivery**

In June 2017, a computer tracking system was implemented at both the Richmond and El Cerrito Facilities that tracks the date and time of delivery as well as the residents address and city. The delivery times were reviewed and indicate a fairly even spread of arrival times throughout the day with a small dip around the lunch time. The spread for the period of January 1, 2021 through October 2021 is provided in the table below and is similar to previous years.

<b>Facility</b>	<b>El Cerrito</b>	<b>Richmond</b>	<b>Richmond</b>	<b>Richmond</b>	<b>Richmond</b>	
<b>Time Period Starting</b>	<b>Tue</b>	<b>Wed</b>	<b>Thu</b>	<b>Fri</b>	<b>Sat</b>	<b>Average</b>
9:00 AM	13%	17%	14%	13%	16%	15%
10:00 AM	14%	16%	16%	15%	16%	15%
11:00 AM	15%	19%	16%	17%	18%	17%
12:00 PM	12%	10%	10%	11%	11%	11%
1:00 PM	12%	13%	16%	17%	15%	15%
2:00 PM	15%	14%	15%	15%	12%	14%
3:00 PM	19%	11%	12%	13%	12%	13%
Total	100%	100%	100%	100%	100%	100%

RecycleMore Household Hazardous Waste Program Metrics Report

**HHW Program Metrics Comparisons**

Comparing the two facilities and the temporary events will assist with program evaluation and future program changes. This comparison is for FY 2020-2021.

FY20/21	Richmond HHWCF	El Cerrito HHWCF	Events	Total
Cost	\$513,345.17	\$216,559.71	\$335,319.90	\$1,065,224.78
Pounds	643,367	160,382	169,392	973,141
Participants	10,218	2,123	2,534	14,875
Operating Days	204	52	3	259
Cost/Participant	\$50.24	\$102.01	\$132.33	\$1.09
Cost/Pound	\$0.80	\$1.35	\$1.98	\$1.09
Pounds/Person	63.0	75.5	66.8	65.4
Pounds/day	3,154	3,084	56,464	3,757

Aspects of the El Cerrito permanent facility that lend to the significant difference with the Richmond facility include:

- All HHW is accepted only on Tuesday, but batteries, lamps, sharps, and pharmaceuticals are accepted six days a week through the Recycle-Only HHW facility operated by El Cerrito and then transferred to the Tuesday HHW facility.
- There are more pounds per person delivered to El Cerrito than Richmond.
- Significantly more batteries are accepted in El Cerrito during six days per week (44,570 pounds) than Richmond’s four days per week (17,091 pounds)
- More pharmaceuticals are collected in El Cerrito and due to space limitations, there are also more frequent collections with a service charge per trip.

Architectural paint is a large amount of the collected HHW and there is no charge due to the product stewardship program. El Cerrito accepts electronics separate from the Tuesday HHW facility. Removing the large quantities of paint and e-waste from the analysis narrows the cost per pound between Richmond and El Cerrito but not the Cost per participant as indicated in the analysis table below.

**Analysis without Architectural Paint (free disposal and supplies)**

FY20/21	Richmond HHWCF	El Cerrito HHWCF	Events	Total
PaintCare Pounds	236,657	48,715	75,129	360,501
Pounds, no paint	406,710	111,667	94,263	612,640
Cost/Pound	\$1.26	\$1.94	\$3.56	\$1.74

## RecycleMore Household Hazardous Waste Program Metrics Report

**Analysis without electronics and paint**

FY20/21	Richmond HHWCF	El Cerrito HHWCF	Events
E-waste cost	\$12,296.35	\$0.00	\$0.00
Cost, no e-waste	\$501,048.82	\$216,559.71	\$335,319.90
Pounds, e-waste	136,686	0	18,152
Pounds, no e-waste, paint	270,024	111,667	94,263
Cost/Pound	\$1.86	\$1.94	\$3.56
Cost/Participant	\$49.04	\$102.01	\$132.33

The one-day events are the costliest option due to several factors including:

- Coordination with the site owners and documentation require staff time.
- Events require 30-40 staff for the day plus significant time spent preparing the site. The facilities operate with an average of three staff.
- Preparations for the event require public notification through postcard mailings and electronic notifications to the area.
- Local permit fees and the cost for off-duty officers adds some cost.
- The entire operating area needs to be covered with plastic as required by regulations. The cost of materials and labor is a significant cost.

**Items for Future Review**

This analysis indicates some potential trends on HHW program participation that is worthy of future review including:

- Review the level of repeat customers
- Evaluate the storage capacity of the El Cerrito Satellite HHW Facility.
- Review usage of home-generated sharps and pharmaceuticals collection for impacts from the pending implementation of the Pharmaceutical and Sharps Waste Stewardship Program (SB212)
- Review usage of the Door-to-Door program.
- Review small business and non-profit program.


RecycleMore Household Hazardous Waste Program Metrics Report

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**Summary**

The increase in program options, El Cerrito Satellite Facility on Tuesday, Wednesday Richmond Facility availability, and one-day events, have significantly increased participation and the amount of HHW collected. Specific changes identified in this review include:

- The El Cerrito Facility has significantly increased the participation of El Cerrito Residents as well as neighboring Richmond residents.
- El Cerrito residents and other service area residents prefer to use the local HHW Facility which is only open one day per week rather than the Richmond Facility open four days per week but further away.
- The one-day events are popular especially with Hercules and El Sobrante residents.
- Participation in the Architectural Paint Stewardship Program continues to provide significant cost savings.
- The reuse program is increasing in usage saving significant disposal costs.
- Participants report that they have significantly used the facility previously.
- Residents deliver HHW to the facility fairly consistently throughout the day.



# RECYCLEMORE HOUSEHOLD HAZARDOUS WASTE (HHW) METRICS REPORT

REPORT PREPARED BY SWEETSER & ASSOCIATES, INC.  
PRESENTED BY CHRISTINA LEARD – HHW PROGRAM MANAGER

AGENDA ITEM 8.0  
DECEMBER 9, 2021

# WEST COUNTY PERMANENT HHW SITES



101 Pittsburg Ave, Richmond  
West County Resource Recovery  
Wednesday – Saturday HHW Collection



7501 Schmidt Ln., El Cerrito  
El Cerrito Recycling Center  
Tuesday only HHW collection

# PARTICIPATION ANALYSIS

	Richmond opens every Saturday 3/14/15
	El Cerrito Satellite HHW Opens 6/20/17
	Richmond HHW Facility opens Wednesdays 8/2/17
	Temporary HHW Events

Seasonal fluctuations are obvious (slow in winter). COVID-19 reduced overall participation in 2020.

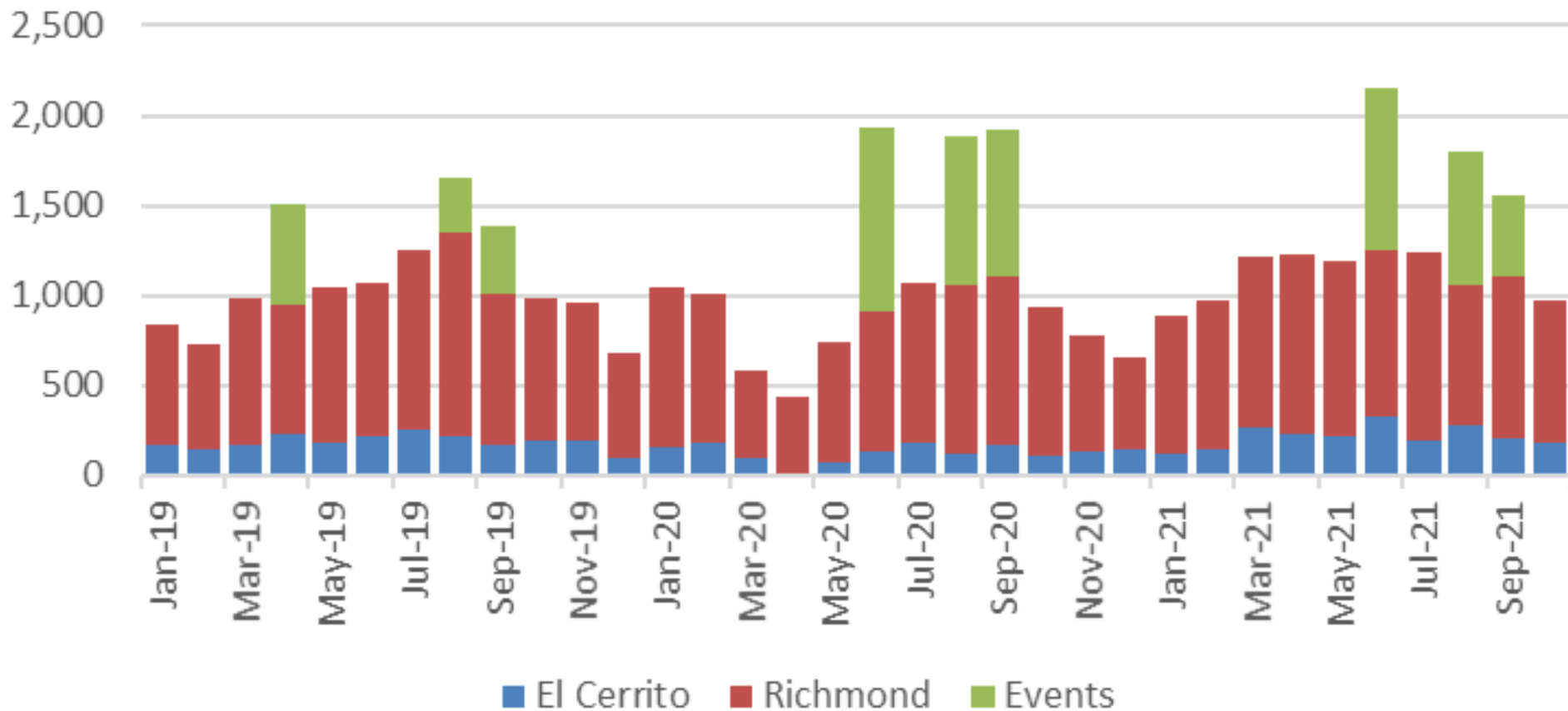
Participation Totals Facilities with Events

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2012	719	723	798	661	808	779	791	908	758	673	680	577	8,875
2013	706	670	739	634	828	734	656	925	632	712	625	492	8,353
2014	730	517	620	642	764	747	819	846	689	773	507	367	8,021
2015	826	653	757	834	804	682	891	883	729	937	705	517	9,218
2016	639	694	633	1,009	791	905	982	900	873	661	597	729	9,413
2017	572	605	871	763	784	1,040	1,436	1,608	1,376	931	837	910	11,733
2018	777	789	759	822	1,376	909	982	1,614	1,128	921	723	668	11,468
2019	831	733	987	1,507	1,043	1,068	1,245	1,654	1,383	987	954	683	13,075
2020	1,046	1,007	580	439	745	1,939	1,068	1,888	1,908	938	771	654	12,983
2021	884	975	1,210	1,232	1,195	2,152	1,244	1,797	1,557	966	0	0	13,212

Participation Totals Permanent Facilities Only

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
2012	719	723	798	661	808	779	791	908	758	673	680	577	8,875
2013	706	670	739	634	828	734	656	925	632	712	625	492	8,353
2014	730	517	620	642	764	747	819	846	689	773	507	367	8,021
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2016	639	694	633	1,009	791	905	982	900	873	661	597	729	9,413
2017	572	605	871	763	784	1,040	984	1,028	1,106	931	837	910	10,431
2018	777	789	759	822	920	909	982	1,048	878	921	723	668	10,196
2019	831	733	987	948	1,043	1,068	1,245	1,348	1,004	987	954	683	11,831
2020	1,046	1,007	580	439	745	907	1,068	1,056	1,102	938	771	654	10,313
2021	884	975	1,210	1,232	1,195	1,256	1,244	1,060	1,105	966	0	0	11,127

## West County HHW Program Residential Household Participation by Program January 2019 - October 2021



# JURISDICTION PARTICIPATION

Each jurisdiction's participation at both permanent facilities, from 2012 through 2021 Year to Date (YTD as of 10/31/21) are indicated in the table and indicates an increasing trend of usage.

Annual West County Permanent HHW Facility Participation (Richmond and El Cerrito)										
Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 YTD
El Cerrito	1,077	898	845	962	961	1,503	1,771	1,804	1,650	2,008
El Sobrante	908	831	830	1,004	1,008	1,042	921	1,126	632	566
Hercules	624	670	629	713	822	945	840	974	848	784
Pinole	848	831	828	1,032	981	992	931	1,094	1,008	1,065
Pt. Richmond	229	100	161	1	102	191	189	169	17	0
Richmond	3,324	3,272	3,007	3,544	3,493	3,634	3,504	4,139	4,055	4,597
San Pablo	1,304	1,269	1,215	1,377	1,396	1,504	1,378	1,789	1,557	1,548
Crockett	138	145	127	128	148	146	141	170	98	127
Kensington	157	138	185	193	189	202	233	249	179	201
Port Costa	14	6	10	5	6	5	7	14	10	6
Rodeo	252	191	177	248	243	280	244	262	251	241
Tormey	0	0	0	0	0	0	0	0	1	0
Other Residential	0	2	7	11	12	24	37	41	7	0
<b>TOTAL</b>	<b>8,875</b>	<b>8,353</b>	<b>8,021</b>	<b>9,218</b>	<b>9,361</b>	<b>10,468</b>	<b>10,196</b>	<b>11,831</b>	<b>10,313</b>	<b>11,143</b>

*Note - Starting 2020, Pt. Richmond participation is noted in the system as Richmond*

# JURISDICTION PARTICIPATION - CONTINUED

Participation at the Richmond and El Cerrito HHW facilities for the period of January 2020 through October 2021 is indicated in the table below.

2020				2021 - January through October		
Facility	El Cerrito	Richmond	Total	El Cerrito	Richmond	Total
El Cerrito	813	837	1,650	1,254	754	2,008
El Sobrante	38	594	632	87	479	566
Hercules	29	819	848	34	750	784
Pinole	45	963	1,008	50	1,015	1,065
Pt. Richmond	2	15	17	0	0	0
Richmond	488	3,567	4,055	671	3,926	4,597
San Pablo	41	1,516	1,557	49	1,499	1,548
Crockett	0	98	98	2	125	127
Kensington	3	176	179	5	196	201
Port Costa	0	10	10	0	6	6
Rodeo	1	250	251	4	237	241
Tormey	0	1	1	0	0	0
Other Residential	3	4	7	0	0	0
<b>TOTAL</b>	<b>1,463</b>	<b>8,850</b>	<b>10,313</b>	<b>2,156</b>	<b>8,987</b>	<b>11,143</b>

Note - Starting 2020, Pt. Richmond participation is noted in the system as Richmond

# WEEKLY PARTICIPATION BY DAY OF THE WEEK

- The Permanent HHW facilities continued regular operations during COVID-19 except for when the El Cerrito facility closed from March 17, 2020 through May 12, 2020.
- Participation rebounded and remained mostly consistent with fairly even participation on all operating days.
- Note that Tuesday HHW Operations occur at El Cerrito and Wednesday through Saturday operations occur at Richmond.

Month	Tue	Wed	Thu	Fri	Sat	Total
<b>2020</b>	<b>1,463</b>	<b>2,219</b>	<b>2,090</b>	<b>2,260</b>	<b>2,281</b>	<b>10,313</b>
Jan	154	173	242	280	197	1,046
Feb	177	174	181	191	284	1,007
Mar	99	147	112	124	98	580
Apr	0	164	109	89	77	439
May	69	172	135	178	191	745
Jun	128	225	192	195	167	907
Jul	183	263	263	199	160	1,068
Aug	116	225	201	218	296	1,056
Sep	162	233	220	227	260	1,102
Oct	103	158	205	233	239	938
Nov	131	134	126	210	170	771
Dec	141	151	104	116	142	654
<b>2021</b>	<b>2,156</b>	<b>2,295</b>	<b>2,202</b>	<b>2,176</b>	<b>2,314</b>	<b>11,143</b>
Jan	119	136	192	163	274	884
Feb	143	225	199	173	235	975
Mar	258	316	218	216	202	1,210
Apr	232	235	294	253	218	1,232
May	216	233	222	241	283	1,195
Jun	319	287	193	218	239	1,256
Jul	189	248	258	302	247	1,244
Aug	291	188	214	201	182	1,076
Sep	208	237	244	196	220	1,105
Oct	181	190	168	213	214	966

# POUNDS AND WASTE TYPES COLLECTED FY 2020-2021

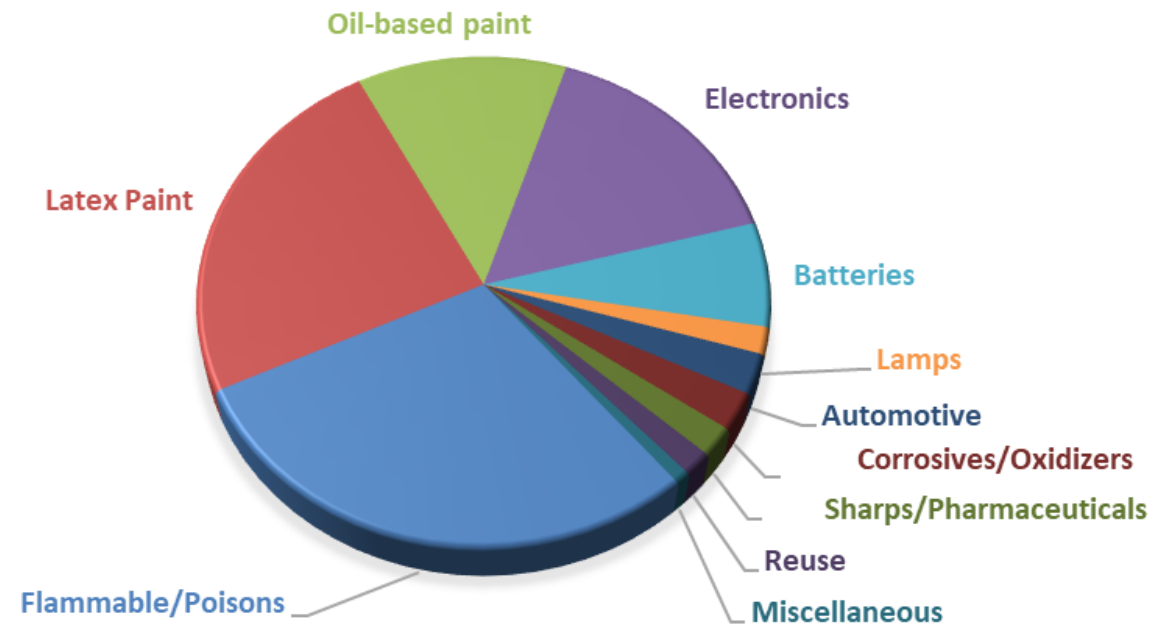
- Door-to-Door collection was temporarily suspended in 2020-2021 due to Covid precautions, which explains the low volume of HHW collected during that time.
- The sharps and pharmaceuticals collected under the Door-to-Door program are almost entirely collected from the kiosks located around the service area. The miscellaneous wastes include contaminated absorbent, fire extinguishers, mercury-containing equipment, smoke alarms, and PCB wastes.

Waste Classification	Richmond	El Cerrito	Events	Door-to-Door	Retail	Total
<b>Common HHW (pounds)</b>						
<b>Flammable/Poisons</b>	175,297	51,888	57,731	40		<b>284,956</b>
<b>Latex Paint</b>	152,275	20,563	63,537	170		<b>236,545</b>
<b>Oil-based paint</b>	84,382	28,152	11,592	70		<b>124,196</b>
<b>Corrosives/Oxidizers</b>	11,926	7,556	4,720	0		<b>24,202</b>
<b>Miscellaneous</b>	3,653	35	1,260	0		<b>4,948</b>
<b>El Cerrito Recycle-Only</b>						
<b>Batteries</b>	17,091	44,570	5,435	0	115	<b>67,211</b>
<b>Lamps</b>	8,024	7,618	1,580	0		<b>17,222</b>
<b>Sharps</b>	7,543	3,012	0	1,406		<b>11,961</b>
<b>Pharmaceuticals</b>	635	4,602	0	1,525		<b>6,762</b>
<b>Richmond Only</b>						
<b>Asbestos</b>	2,625	0	110	0		<b>2,735</b>
<b>Electronics</b>	136,686	0	18,152	100		<b>154,938</b>
<b>Automotive</b>	20,410	0	5,275	35		<b>25,720</b>
<b>Reuse</b>	15,206	0	0	0		<b>15,206</b>
<b>TOTAL</b>	<b>635,753</b>	<b>167,996</b>	<b>169,392</b>	<b>3,346</b>	<b>115</b>	<b>976,602</b>

# POUNDS AND WASTE TYPES COLLECTED FY 2020-2021

- Latex and Oil-based paint reflect a large portion of material collected and are collected as part of the PaintCare Stewardship program.
- Flammable/Poisons make up another large portion of material collected. This waste stream includes Paint-Related Material (PRM), caulking, roofing tar, pesticides, fertilizers, and others.

## HHW WASTE TYPES COLLECTED 2020-2021



# WASTE TYPE COMPARISON BETWEEN RICHMOND AND EL CERRITO HHW FACILITIES

- The Richmond HHW Facility is open four days per week (Wed - Sat). The El Cerrito Facility accepts HHW on Tuesdays but the City of El Cerrito Recycling & Environmental Resource Center accepts, during all center operating days, certain HHW such as batteries, lamps, sharps, and pharmaceuticals that are included in the RecycleMore sponsored HHW program (noted as “El Cerrito Recycle-Only” in the table).
- Used oil and filters are funded by the El Cerrito used oil funds from the Oil Payment Program administered by RecycleMore. El Cerrito handles its own electronics wastes. There is not an HHW Reuse area currently at the El Cerrito facility.
- The “Richmond Only” are HHW only accepted or managed at the Richmond Permanent HHW Facility.

Comparison between Richmond and El Cerrito HHW Facilities (pounds) FY2020-2021		
Waste Classification	Richmond/Day	El Cerrito/Day
<b>Common HHW</b>		
Flammable/Poisons	43,824	51,888
Latex Paint	38,069	20,563
Oil-based paint	21,096	28,152
Corrosives/Oxidizers	2,982	7,556
Miscellaneous	913	35
<i>El Cerrito Recycle-Only</i>		
Batteries	4,273	7,428
Lamps	2,006	1,270
Sharps	1,886	502
Pharmaceuticals	159	767
<b>Total Without Richmond Only</b>	<b>115,207</b>	<b>118,161</b>
<i>Richmond Only</i>		
Asbestos	656	0
Electronics	34,172	0
Automotive	5,103	0
Reuse	3,802	0
<b>TOTAL ALL WASTES</b>	<b>158,282</b>	<b>118,161</b>

# TEMPORARY HHW EVENT PARTICIPATION – 2020 & 2021

Participation for Temporary Events						
Period	6/27/2020	8/29/2020	9/19/2020	6/26/2021	8/28/2021	9/18/2021
Location	Hercules	El Sobrante	Richmond	Hercules	El Sobrante	Richmond
El Cerrito	1	4	18	2	24	11
El Sobrante	5	284	26	5	217	13
Hercules	589	10	11	570	7	9
Pinole	223	15	8	171	111	3
Pt. Richmond						
Richmond	12	366	715	3	267	380
San Pablo		145	27		104	36
Crockett	53	4		44		
Kensington						
Port Costa	6			3		
Rodeo	138		1	96	3	
Tormey	2			1		
Other Residential	3	4		1	4	
<b>TOTAL</b>	<b>1,032</b>	<b>832</b>	<b>806</b>	<b>896</b>	<b>737</b>	<b>452</b>

# TEMPORARY HHW EVENT PARTICIPATION – 2021 COMPARED TO 2020 AND 2019

- 2020 had unusually high participation at temporary events. This is likely due to the impacts of the Covid-19 shut-down; more residents were working from home and likely spending a lot more time cleaning house and storage spaces.
- 2021 participation is down from 2020, but still higher than the last “normal” year in 2019.

<b>HERCULES</b>	Participants
2021	896
2020	1,032
2019	559

<b>EL SOBRANTE</b>	Participants
2021	737
2020	832
2019	306

<b>RICHMOND</b>	Participants
2021	452
2020	806
2019	379

# HERCULES EVENT – JUNE 26, 2021

## HERCULES CORP YARD



# EL SOBRANTE EVENT – AUGUST 28, 2021

## HILLTOP CHURCH OF CHRIST



Clean Earth staff preparing for the event with a safety meeting.



# RICHMOND EVENT – SEPTEMBER 18, 2021

## GALILEO CLUB



# REUSE PROGRAM AMOUNTS AND COST SAVINGS

Year	2016	2017	2018	2019	2020	2021 YTD
Pounds	17,303	30,024	19,778	31,097	19,130	14,973

- Certain HHW received at the Richmond Facility are in good condition and are set aside for the public to take for use as intended (reuse) rather than sent for disposal. This program is very popular with the public and material set aside is quickly removed. Not all collected HHW is eligible for reuse (e.g., batteries, e-waste, lamps, sharps, used oil).
- About 2% of the incoming HHW was set aside for reuse during 2020 with an additional 14,992 pounds of latex and oil-based paint sent for reuse and reimbursed under the PaintCare Stewardship program. Some 2020 reuse data was extrapolated due to unavailable records. There was a decrease in 2020 from the previous year high likely due to COVID-19 impacts.
- Using an estimate of \$0.80 per pound for disposal, the reuse program saves significant costs (approximately \$12,000 for 2021 YTD).

# ARCHITECTURAL PAINT STEWARDSHIP PROGRAM SAVINGS

- The West County HHW program has been participating in the Architectural Paint Stewardship program (PaintCare) which funds the management of architectural paint.
- In addition, there are two PaintCare sponsored drop-off locations in the RecycleMore service area – Kelly-Moore in San Pablo and Westlake Hardware in Pinole.
- Home Depot in Hercules has been approached several times with requests to participate in accepting paint under the Paint Stewardship Program and has declined.

Pounds Collected	2016/17	2017/18	2018/19	2019/20	2020/21
Richmond, Latex Paint	120,299	119,928	65,713	65,765	136,280
El Cerrito, Latex Paint	NA	27,611	37,931	24,282	20,563
Temporary Events, Latex	7,677	46,909	42,052	19,297	63,537
<b>Total Latex Paint</b>	<b>127,976</b>	<b>194,448</b>	<b>145,696</b>	<b>109,344</b>	<b>220,380</b>

Richmond, Oil-based Paint	76,112	41,894	53,220	110,000	77,357
El Cerrito, Oil-based Paint		11,010	17,603	11,670	28,152
Temporary Events, Oil-Based	2,353	7,551	6,606	9,280	11,592
<b>Total Oil-Based Paint</b>	<b>78,465</b>	<b>60,455</b>	<b>77,429</b>	<b>130,950</b>	<b>117,101</b>

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Latex Paint	\$63,988	\$97,224	\$72,848	\$54,672	\$110,190
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# ANALYZE TIME OF DAY OF HHW DELIVERY

In June 2017, a computer tracking system was implemented at both the Richmond and El Cerrito Facilities that tracks the date and time of delivery as well as the residents address and city.

The delivery times were reviewed and indicate a fairly even spread of arrival times throughout the day with a small dip around the lunch time.

Facility	El Cerrito	Richmond	Richmond	Richmond	Richmond	
Time Period Starting	Tue	Wed	Thu	Fri	Sat	Average
9:00 AM	13%	17%	14%	13%	16%	15%
10:00 AM	14%	16%	16%	15%	16%	15%
11:00 AM	15%	19%	16%	17%	18%	17%
12:00 PM	12%	10%	10%	11%	11%	11%
1:00 PM	12%	13%	16%	17%	15%	15%
2:00 PM	15%	14%	15%	15%	12%	14%
3:00 PM	19%	11%	12%	13%	12%	13%
Total	100%	100%	100%	100%	100%	100%

# HHW PROGRAM METRICS COMPARISONS

FY20/21	Richmond HHWCF	El Cerrito HHWCF	Events	Total
Cost	\$513,345.17	\$216,559.71	\$335,319.90	\$1,065,224.78
Pounds	643,367	160,382	169,392	973,141
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Cost/Pound	\$0.80	\$1.35	\$1.98	\$1.09
Pounds/Person	63.0	75.5	66.8	65.4
Pounds/day	3,154	3,084	56,464	3,757

Aspects of the El Cerrito permanent facility that lead to the significant difference with the Richmond facility include:

- All HHW is accepted only on Tuesday, but batteries, lamps, sharps, and pharmaceuticals are accepted six days a week through the Recycle-Only HHW facility operated by El Cerrito and then transferred to the Tuesday HHW facility.
- There are more pounds per person delivered to El Cerrito than Richmond (larger load size).
- Significantly more batteries are accepted in El Cerrito during six days per week (44,570 pounds) than Richmond's four days per week (17,091 pounds).

# HHW PROGRAM METRICS COMPARISONS

Architectural paint is a large amount of the collected HHW and there is no charge due to the reimbursement from the product stewardship program. El Cerrito accepts electronics separate from the Tuesday HHW facility. Removing the large quantities of paint and e-waste from the analysis narrows the cost per pound between Richmond and El Cerrito but not the Cost per participant, due to more pounds per person being delivered to El Cerrito than Richmond.

## Analysis without Architectural Paint (free disposal and supplies)

FY20/21	Richmond HHWCF	El Cerrito HHWCF	Events	Total
PaintCare Pounds	236,657	48,715	75,129	360,501
Pounds, no paint	406,710	111,667	94,263	612,640
Cost/Pound	\$1.26	\$1.94	\$3.56	\$1.74

## Analysis without electronics and paint

FY20/21	Richmond HHWCF	El Cerrito HHWCF	Events
E-waste cost	\$12,296.35	\$0.00	\$0.00
Cost, no e-waste	\$501,048.82	\$216,559.71	\$335,319.90
Pounds, e-waste	136,686	0	18,152
Pounds, no e-waste, paint	270,024	111,667	94,263
<b>Cost/Pound</b>	<b>\$1.86</b>	<b>\$1.94</b>	<b>\$3.56</b>
<b>Cost/Participant</b>	<b>\$49.04</b>	<b>\$102.01</b>	<b>\$132.33</b>

# HHW PROGRAM METRICS COMPARISONS

The one-day events are the costliest option due to several factors including:

- Coordination with the site owners and documentation require staff time.
- Events require 30-40 staff for the day plus significant time spent preparing the site. The facilities operate with an average of three staff.
- Preparations for the event require public notification through postcard mailings and electronic notifications to the area.
- Local permit fees and the cost for off-duty officers adds some cost.
- The entire operating area needs to be covered with plastic as required by regulations. The cost of materials and labor is a significant cost.

# ITEMS FOR FUTURE REVIEW

This analysis indicates some potential trends on HHW program participation that is worthy of future review including:

- Review the level of repeat customers.
- Evaluate the storage capacity of the El Cerrito Satellite HHW Facility.
- Review usage of home-generated sharps and pharmaceuticals collection for impacts from the pending implementation of the Pharmaceutical and Sharps Waste Stewardship Program (SB212).
- Review usage of the Door-to-Door program.
- Review small business and non-profit program.

# SUMMARY

The increase in program options, El Cerrito Satellite Facility on Tuesday, Wednesday Richmond Facility availability, and one-day events, have significantly increased participation and the amount of HHW collected. Specific changes identified in this review include:

- The El Cerrito Facility has significantly increased the participation of El Cerrito Residents as well as neighboring Richmond residents.
- El Cerrito residents and other service area residents prefer to use the local HHW Facility which is only open one day per week rather than the Richmond Facility open four days per week but further away.
- The one-day events are popular especially with Hercules and El Sobrante residents.
- Participation in the Architectural Paint Stewardship Program continues to provide significant cost savings.
- The reuse program is increasing in usage saving significant disposal costs.
- Participants report that they have significantly used the facility previously.
- Residents deliver HHW to the facility fairly consistently throughout the day.