



Household Hazardous
Waste Collection Program

ANNUAL REPORT

2022/2023

OCTOBER 2023

2022/2023

SANTA CRUZ COUNTY HOUSEHOLD HAZARDOUS WASTE COLLECTION PROGRAM

ANNUAL REPORT

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[http://www.dpw.co.santa-cruz.ca.us/Home/RecyclingTrash/HouseholdHazardousWaste\(HHW\).aspx](http://www.dpw.co.santa-cruz.ca.us/Home/RecyclingTrash/HouseholdHazardousWaste(HHW).aspx)

2022/2023

Household Hazardous Waste Collection Program

**Annual Report
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INTRODUCTION

Household hazardous waste (HHW) is a term that refers to any leftover or unwanted household products that can pose a threat to human health, animal welfare, or the environment if not handled or disposed of properly. HHW includes items such as paints, cleaners, batteries, pesticides, solvents, and electronic wastes. According to the US Environmental Protection Agency (EPA), Americans generate about 1.6 million tons of HHW each year¹.

HHW can cause various problems if it is thrown in the trash, poured down the drain, or dumped on the ground. For example, HHW can:


- Contaminate groundwater, surface water, and soil with toxic chemicals.
- Harm wildlife and plants that come into contact with polluted water or soil.
- Create fire, explosion, or gas hazards in landfills or sewer systems.
- Injure sanitation workers or waste collectors who handle HHW.
- Expose children and pets to poisoning or injury from ingesting or touching HHW.

To prevent these negative impacts, it is important to manage HHW in a safe and responsible manner. This is where household hazardous waste programs come in. The County of Santa Cruz HHW program collects, recycles, and properly disposes of HHW from residents and households within the County.

Household hazardous waste programs provide many benefits for the community and the environment. We are charged with:

- Protecting public health and safety by reducing the risk of exposure to HHW.
- Conserving natural resources and energy by recycling HHW materials that can be reused.
- Reducing greenhouse gas emissions and air pollution by limiting HHW from being burned or incinerated.
- Saving money and space by avoiding the cost and need for landfilling or treating HHW.

By participating in Santa Cruz County household hazardous waste program, you can help protect yourself, your family, your community, and your planet from the harmful effects of HHW.

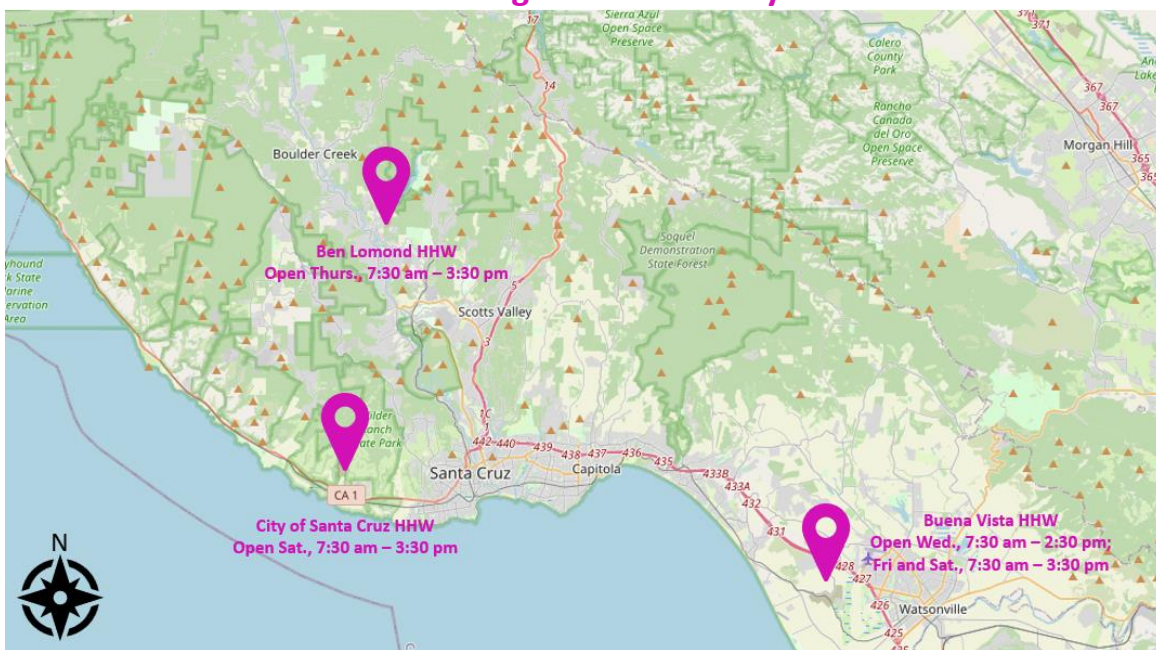
HHW is not a toy, it can hurt you and destroy - be smart and do your part, recycle it from the start! 

¹<https://www.epa.gov/hw/household-hazardous-waste-hhw>

This summary report of the Household Hazardous Waste (HHW) Program for fiscal year (FY) 2022/2023 presents the program participation levels, an analysis of the hazardous waste delivered to the facilities, and the costs associated with the program. The HHW Program’s high level of participation and amount of hazardous waste collected and responsibly managed each year, demonstrates its benefits to public health and the environment.

The Santa Cruz County Household Hazardous Waste Collection Program consists of three permanent collection facilities; one located at the Ben Lomond Transfer Station in the inland northern part of the County, a second at the Buena Vista Landfill near Watsonville, serving the southern section of the County, and a third at the City of Santa Cruz Landfill, serving the City of Santa Cruz and the northern coastal section of the County. The HHW program, which began operation in 1991, serves a population of 212,175². The facilities are staffed on an alternating basis, with the Buena Vista location open three days a week (Wednesday, Friday, Saturday)³, the Ben Lomond Transfer Station open one day a week (Thursday), and the City of Santa Cruz location open one day a week (Saturday).

Figure I-1
HHW Locations Throughout the County of Santa Cruz



The program diverts household hazardous waste (HHW) from illegal disposal at the County’s and City’s recycling and solid waste facilities by providing the public with a safe, legal, and environmentally acceptable disposal alternative. The public can drop off their household hazardous waste at any of the above facilities during posted days of operation, and automotive batteries can be recycled at all three locations at their respective recycling

² County of Santa Cruz estimate based on E-5 Population and Housing Estimates for Cities, Counties, and the State 2020-2023; however, excludes the City of Watsonville.

³ Beginning July 1, 2012, the Buena Vista HHW location days of operation were switched from Tuesday, Wednesday and Saturday to Wednesday, Friday, and Saturday.


centers, six days a week (Monday through Saturday). The HHW program also includes acceptance of Small Quantity Generators (SQG), which are businesses that generate less than 27 gallons of hazardous waste per month. SQGs may make appointments to drop off waste at the Buena Vista HHW.

New for 2023, a flyer showing residents where they can safely transport and dispose their HHW. See the graphic down below in Figure I-2.

Figure I-2
2023 Santa Cruz County HHW Flyer

About The HHW Program

Where Can I Take My HHW?



County of Santa Cruz
Recycling and
Solid Waste Services

The program began in 1991 and was one of the several household hazardous waste collection facilities in the State. Over 10,000 residents and businesses drop off nearly 1 million lbs. of HHW for processing and safe disposal on an annual basis.

***Serving Residents and Small Business in the County of Santa Cruz Service Area only, including:**


Cities of:

- Capitola
- Santa Cruz
- Scotts Valley




Unincorporated Santa Cruz County:

- Aptos
- Ben Lomond
- Boulder Creek
- Brookdale
- Davenport
- Felton/Mount Hermon
- Freedom
- Live Oak
- Los Gatos
- Soquel
- Unincorporated Watsonville (includes La Selva Beach and Corralitos)


Not available to City of Watsonville Residents
Call (831) 768-3133 for information.




Three Convenient Locations to Serve You

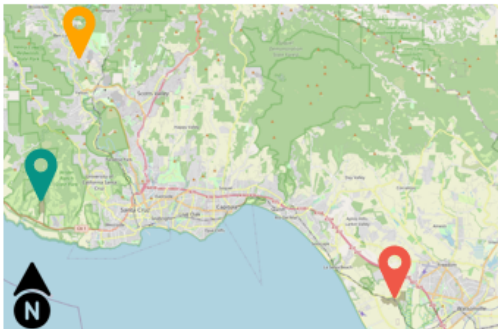
-  **Buena Vista HHW**
1231 Buena Vista Dr., Watsonville
Open Wed: 7:30 am-2:30 pm;
Fri and Sat: 7:30 am-3:30 pm
-  **Ben Lomond HHW**
9835 Newell Creek Rd., Ben Lomond
Open Thurs: 7:30 am-3:30 pm
-  **Santa Cruz HHW**
605 Dimeo Ln., Santa Cruz
Open Sat: 7:30 am-3:30 pm

Household Hazardous Waste Collection Program






Scan this QR Code to Get More Information About the County's HHW Program





The Santa Cruz County Household Hazardous Waste Program is sponsored by the County of Santa Cruz and the Cities of Scotts Valley, Capitola and Santa Cruz

Questions?
Call (831) 454-2606

(831) 454-2606
SantaCruzCountyRecycles.org

SantaCruzCountyRecycles.org

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County of Santa Cruz Recycling and Solid Waste Services

What is Considered HHW?

Household Hazardous Waste (HHW) includes chemical and solid waste generated incidental to maintaining a residence, business, vehicle, and yard. Products considered HHW contain hazardous ingredients and are labeled with words such as danger, poison, flammable, corrosive and toxic. HHW also includes Universal Waste, a regulated waste including batteries, and items containing mercury (e.g., fluorescent bulbs, thermostats and thermometers).

Drop-Off and Transport Limits

- Residents: 15 gallons or 125 lbs. per turn-in.
- Small Businesses (CESQGs): 27 gallons or 220 lbs. per month. (Businesses pay applicable fees.)



Safe Transport of HHW

- Products must be packaged in sturdy, nonleaking, tightly closed containers, no larger than 5 gallons. If a container leaks, secure it in a secondary leak-proof container.
- Keep products in original containers with label intact when possible. If a product is missing original label, label it yourself if you are sure of contents.
- Don't mix products together. Keep reactive chemicals separate.
- For transport, place items securely in a box, in a well-ventilated space away from driver and passengers such as trunk or bed of vehicle.



What about HHW from businesses or CESQGs?

Small businesses, schools and non-profit organizations located within the County Service Area* and generating less than 27 gallons or 220 lbs. of hazardous waste per month, are classified as Conditionally Exempt Small Quantity Generators (CESQG).

CESQGs are eligible to utilize the hazardous waste collection program with the following conditions:

- Businesses must be located within the County of Santa Cruz service area and have proper I.D.**
- Make an appointment at SantaCruzCountyRecycles.org



**Proof of residence or business address is necessary, and EPA I.D. #, Haz. Mat. # if required.

For more information about CESQG and/or the laws which regulate HHW contact the Department of Toxic Substances Control at www.dtsc.ca.gov.

Did You Know That Some Household Products Are Too Toxic To Trash?

What IS Accepted and What Is NOT Accepted At The HHW Facility?



Household Products
cleaners, aerosols,
solvents, pest control



Universal Waste
household
batteries,* items
containing mercury
(e.g., fluorescent
light bulbs,
thermostats)



Paint & Building
Products
paint, stain varnish,
thinner, adhesives,
roofing cements and
sealers



Compressed
Cylinders
mapp, propane,
butane gas
(less than or
equal to 1 pound)



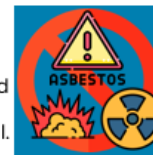
Outdoor Products
pesticides, herbicides,
fertilizers, pool & hot
tub chemicals



Fluorescent and
LED Bulbs
compact
fluorescent, LED,
HID, fluorescent
tubes



Auto Products fuel,
motor oil & filters,*
cleaners, solvents,
antifreeze, fluids, road
flares (motor oil less
than or equal to 5 gal.
per visit)



Unacceptable
Wastes
ammunition,
asbestos,
explosives, reactive,
radioactive waste



Cooking Oil
up to 15 gallons
accepted in a sealed,
labeled plastic
container

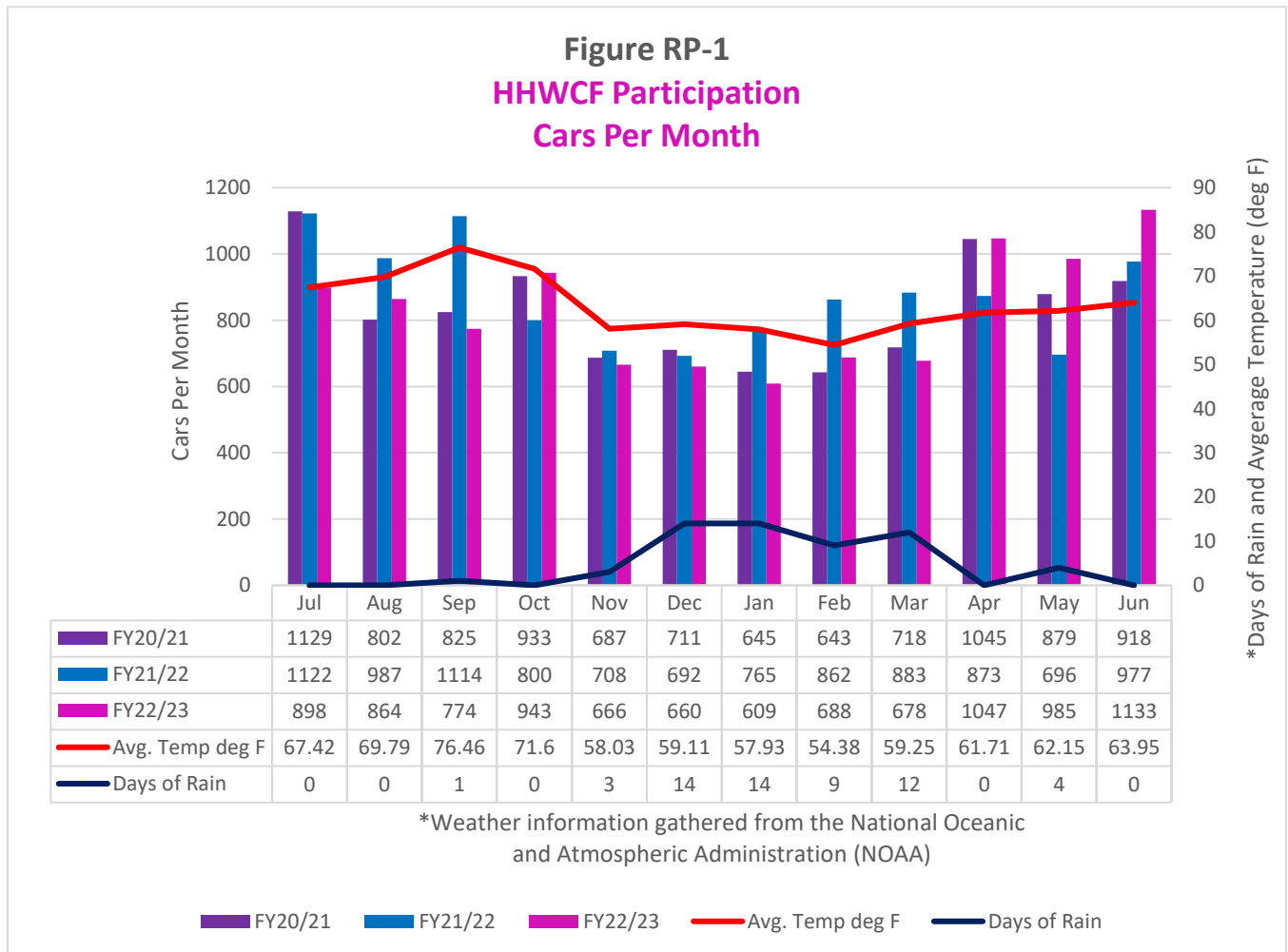


Unacceptable
Wastes
medications,
syringes,
controlled
substances, waste
greater than 5 gal.

RESIDENTIAL PARTICIPATION (RP)

The HHW program is completing its 32nd year of operation. During fiscal year 2022- 2023 the Santa Cruz County Household Hazardous Waste Collection Program served the entire unincorporated County, and the Cities of Santa Cruz, Capitola, and Scotts Valley, which is comprised of 92,466⁴ households, with a population of approximately 212,175. The City of Watsonville provides their own HHW program to residents within their jurisdiction.

Figure RP-1 shows HHW program participation on a monthly basis. Participation ranged between 609 cars in December and 1,133 vehicles in June. The lower participation during the winter months is attributed to fewer operating days due to the holidays, and seasonal fluctuations in participation presumably due to more inclement weather.



⁴ Number of households information gathered from the E-5 Population and Housing Estimates for Cities, Counties, and the State, 2020-2023 with 2020 Census Benchmark

Figure RP-2 presents a comparison of the average number of cars per operating day for the last three fiscal years. This data serves as a tool for planning staffing levels through the different seasons and to promote the facility's services. The trend line shows an increase in customer county with a correlation coefficient of 94.73%.

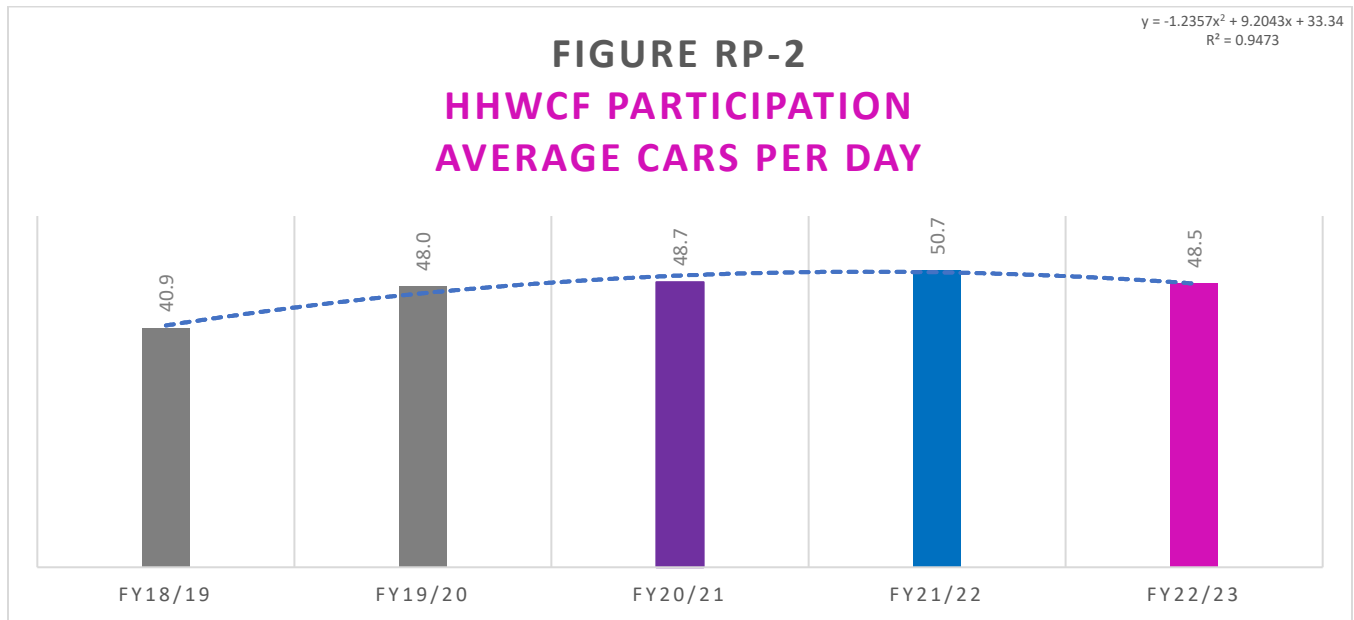


Figure RP-3 presents a comparison of HHW facility usage per community located throughout the County of Santa Cruz. Unincorporated Watsonville category includes unincorporated Watsonville, La Selva Beach, and Corralitos.

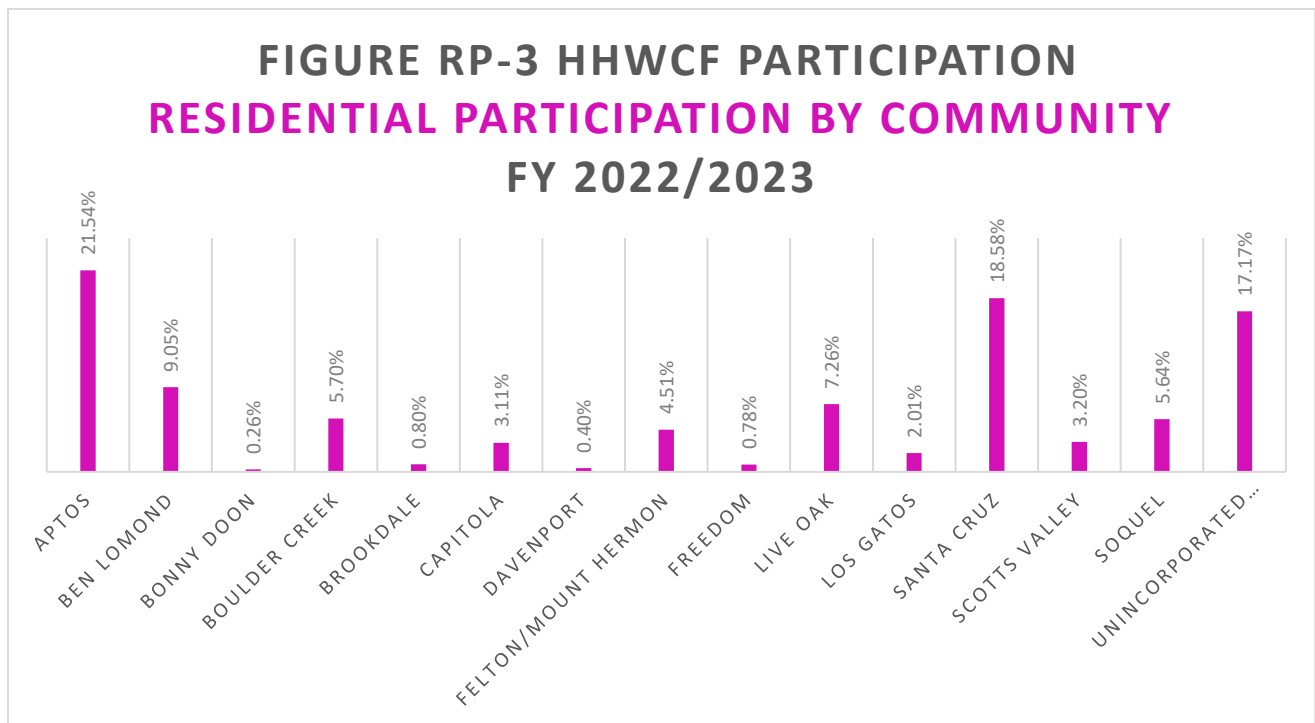


Table RP-1
Residential Participation by Community
FY 2022/2023

Table RP-1 presents a comparison of HHW facility usage per community located throughout the County of Santa Cruz.

Community	Total Number Customers	Percentage
Aptos	2,143	21.54%
Ben Lomond	900	9.05%
Bonny Doon	26	0.26%
Boulder Creek	567	5.70%
Brookdale	79	0.80%
Capitola	309	3.11%
Davenport	40	0.40%
Felton/Mount Hermon	449	4.51%
Freedom	77	0.78%
Live Oak	722	7.26%
Los Gatos	200	2.01%
Santa Cruz	1,848	18.58%
Scotts Valley	318	3.20%
Soquel	561	5.64%
Unincorporated Watsonville (includes unincorp. Watsonville, La Selva Beach, and Corralitos)⁵	1,708	17.17%
	9,945	100.00%

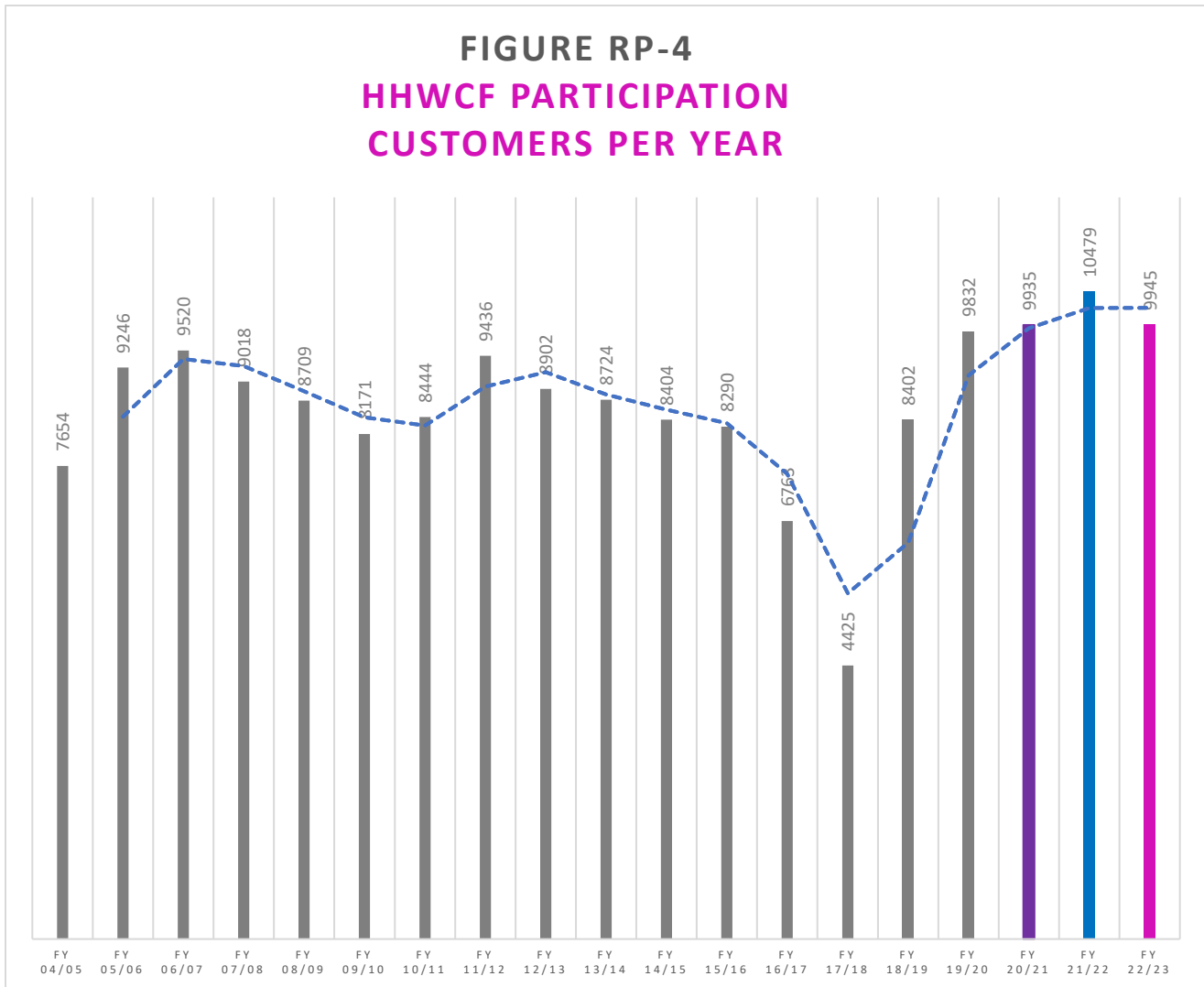
⁵ Total number of households excludes City of Watsonville HHW. The City of Watsonville provides their own HHW program to residents within their jurisdiction.

Table RP-2
Percentage of Households in Service Area and Participation by Community
FY 2022/2023

Community	Number of Households ⁶	% Of Households in Service Area	HHW Facility Participation	% Of Total Served
Capitola	5,507	5.96%	309	3.11%
Santa Cruz	24,415	26.40%	1,848	18.58%
Scotts Valley	4,994	5.40%	318	3.20%
Unincorporated Santa Cruz County	57,550	62.24%	7,470	75.11%
Total	92,466	100.00%	9,945	100.00%

⁶ Santa Cruz County estimate based on E-5 Population and Housing Estimates January 2023 California Department of Finance data. Total number of households excludes City of Watsonville HHW. The City of Watsonville provides their own HHW program to residents within their jurisdiction.

Figure RP-4 presents a comparison of HHW facility usage per community located throughout the County of Santa Cruz. The trend line shows the two-period moving average.



QUANTITIES OF WASTES COLLECTED (WC)

The HHW Facilities had 9,945 tracked customers last year, disposing over 604,920 pounds of hazardous and universal waste. Permanent hours of operation at all three facilities allow the public to drop-off their HHW without an appointment to residents (businesses are required to make an appointment with accordance to Title 22, Cal. Code Regs., sections 67450.25 (a)(3)(B) and 67450.4(b)(9)).

Reuse is always the first preference for managing any waste stream. Latex paint is sent to PaintCare facilities that recycle or re-process it into new paint or other latex based products. Some of this latex paint is processed for reuse on site at the Buena Vista Landfill.

Recycling is the second priority for the program. Oil, antifreeze, used oil filters, batteries, fluorescent lights and ballasts and miscellaneous household products are all recycled through the program. Flammable liquid wastes are blended for shipment to fuel supplement programs. Many of the non-reusable thinners, solvents, cleaners, and waxes are bulked together to minimize costs and maximize reuse as a fuel supplement. Most non-poisonous and non-corrosive aerosol spray cans are depressurized, and fuel blended at permitted facilities. No suspected dioxin precursors, reactive material, unknown materials, or pesticides are fuel blended.

Beginning the 2013-2014 fiscal year the County entered into an agreement with PaintCare, a product stewardship program, to become a PaintCare “Drop Off” Facility. Architectural latex and oil-based paints and stains are collected under the program. PaintCare makes payments to the County for latex paint that is processed for reuse. Oil based paints and stains are no longer bulked together into drums but are placed in cubic yard boxes to be processed at PaintCare approved facilities. PaintCare contracts directly with haulers and hazardous waste treatment facilities to transport and properly dispose of the oil-based paint products collected at the County’s HHW Facilities. PaintCare has agreements with some local paint retailers allowing residents and businesses the opportunity to drop off unwanted paint at a participating retail store. This provides convenient location options for paint disposal throughout the County and lessens the burden of the HHW Program having to manage and dispose of the paint.

Waste treatment is the disposal choice for a small part of the waste stream. Inorganic acids, bases and most oxidizers are sent to treatment facilities that perform neutralization. Other wastes such as pesticides, organic acids, organic peroxides, reactive wastes, and certain special wastes are sent for high temperature destructive incineration at a permitted hazardous waste incinerator.

Landfill, though the least expensive of disposal options, is the final and lowest priority option for waste disposal and is reserved for the very minor amounts of wastes that have no other treatment or reuse method, such as asbestos. Landfilled materials are sent to a Class I Landfill permitted to accept hazardous waste.

The HHW Collection Program disposed or recycled pounds of waste during FY 2022-2023. This is about 176,959 pounds decrease compared to last year (-22.63% from the previous fiscal year). With the addition of the hazardous waste was collected and processed through the HHW Collection Facility (see Table WC-1). An average of about 61 pounds of HHW per car was dropped off by 9,945 customers (residents and small business appointments). The wastes were shipped from the HHW Collection Facility for reuse, recycling, fuel blending, incineration, treatment, or landfill.

The California Department of Resources Recycling and Recovery (CalRecycle) requires a Form 303 report each fiscal year (July through June) summarizing the amount, the types of hazardous waste processed and a breakdown of the waste management method for each type of hazardous waste collected. The FY 2022-2023 Form 303 report is included in Appendix I.

The average weight of hazardous waste collected per car reduced from the previous year from 74.8 pounds of waste to 60.8 pounds of waste. The trend line shows a decrease of waste with a correlation coefficient of 97.85%. See Figure WC-1.

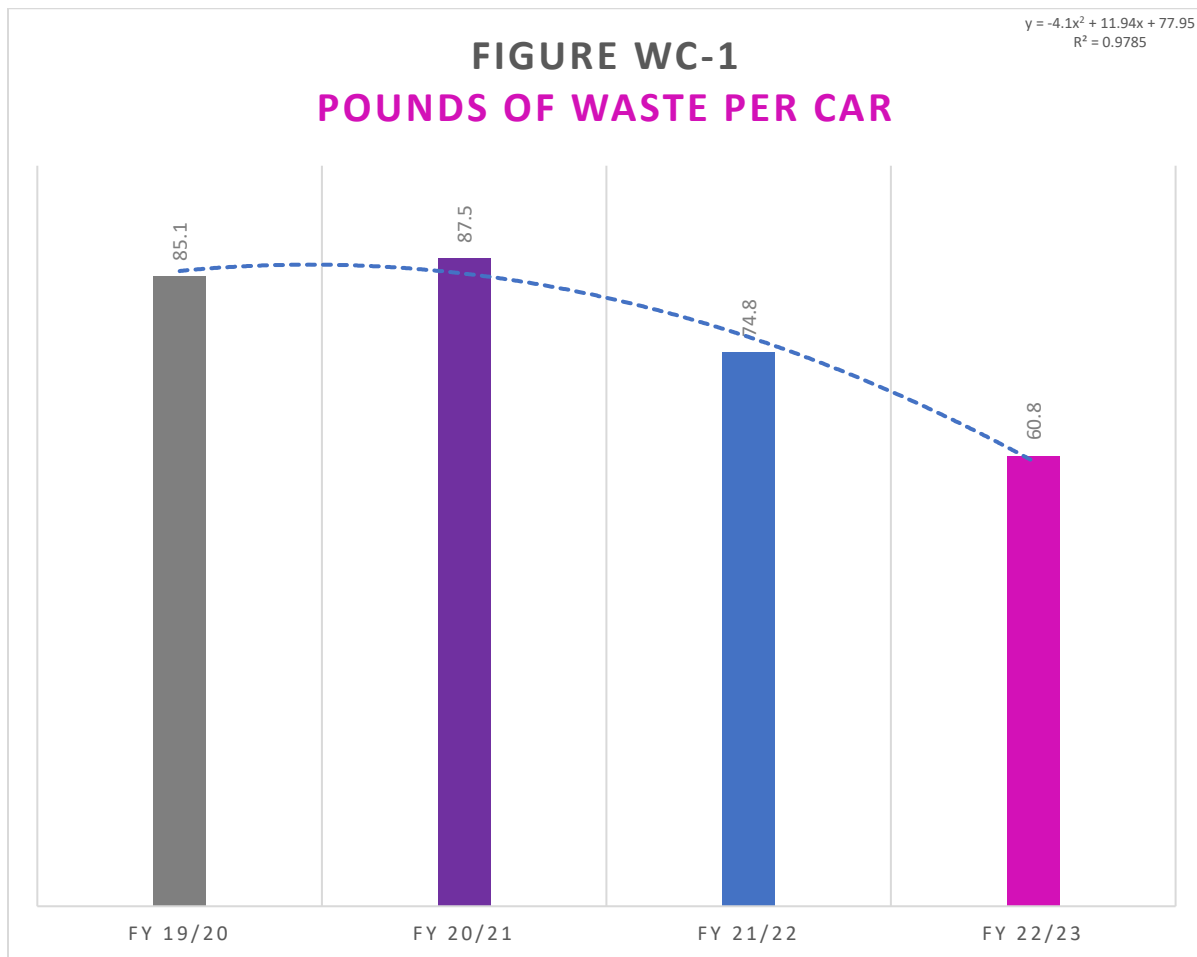


Figure WC-2 presents a breakdown of hazardous wastes processed by type of waste. The transportation classifications on the shipping documents were used as the primary means for segregation into waste type.

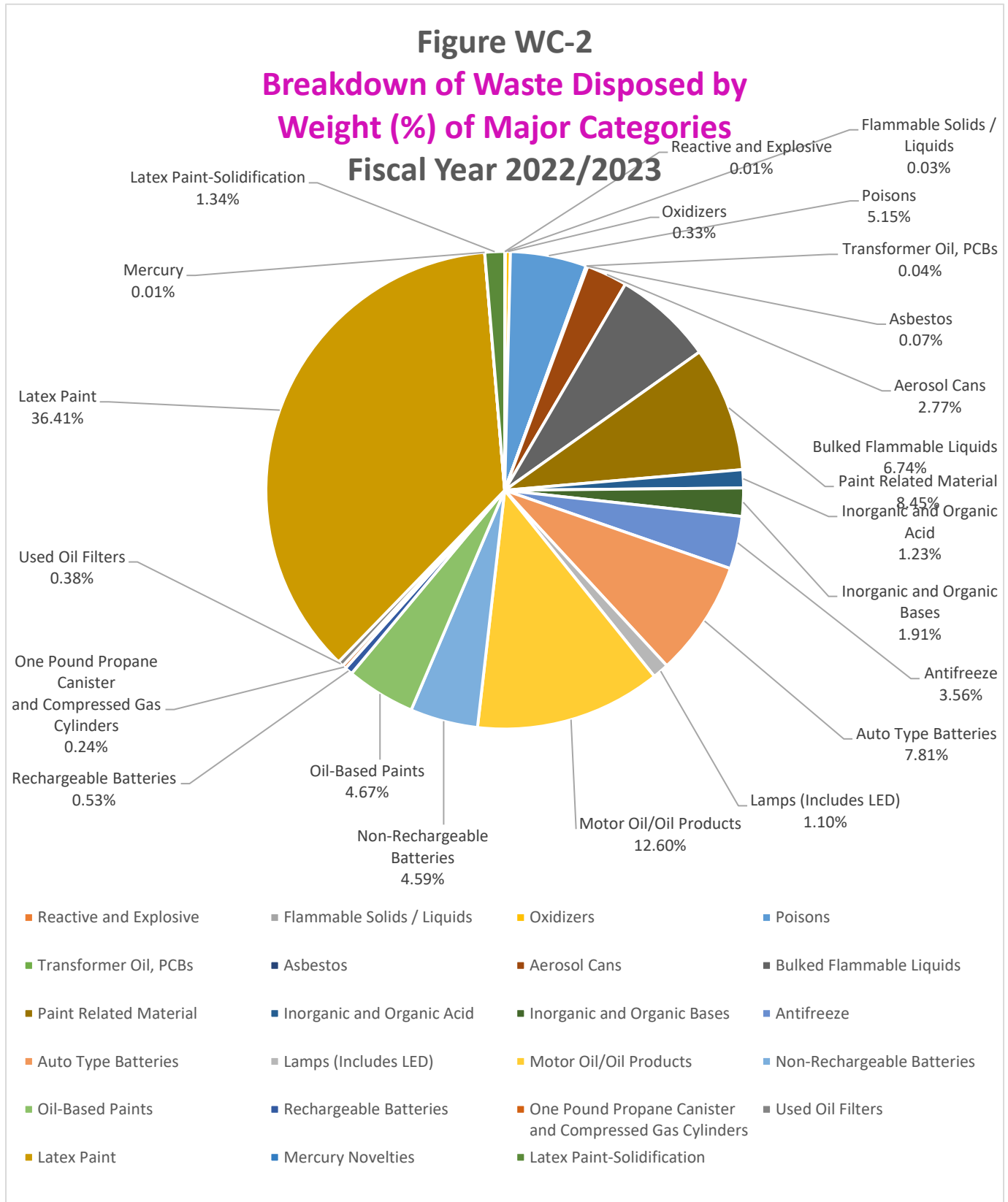


Figure WC-3 presents the distribution of hazardous wastes processed by management method.

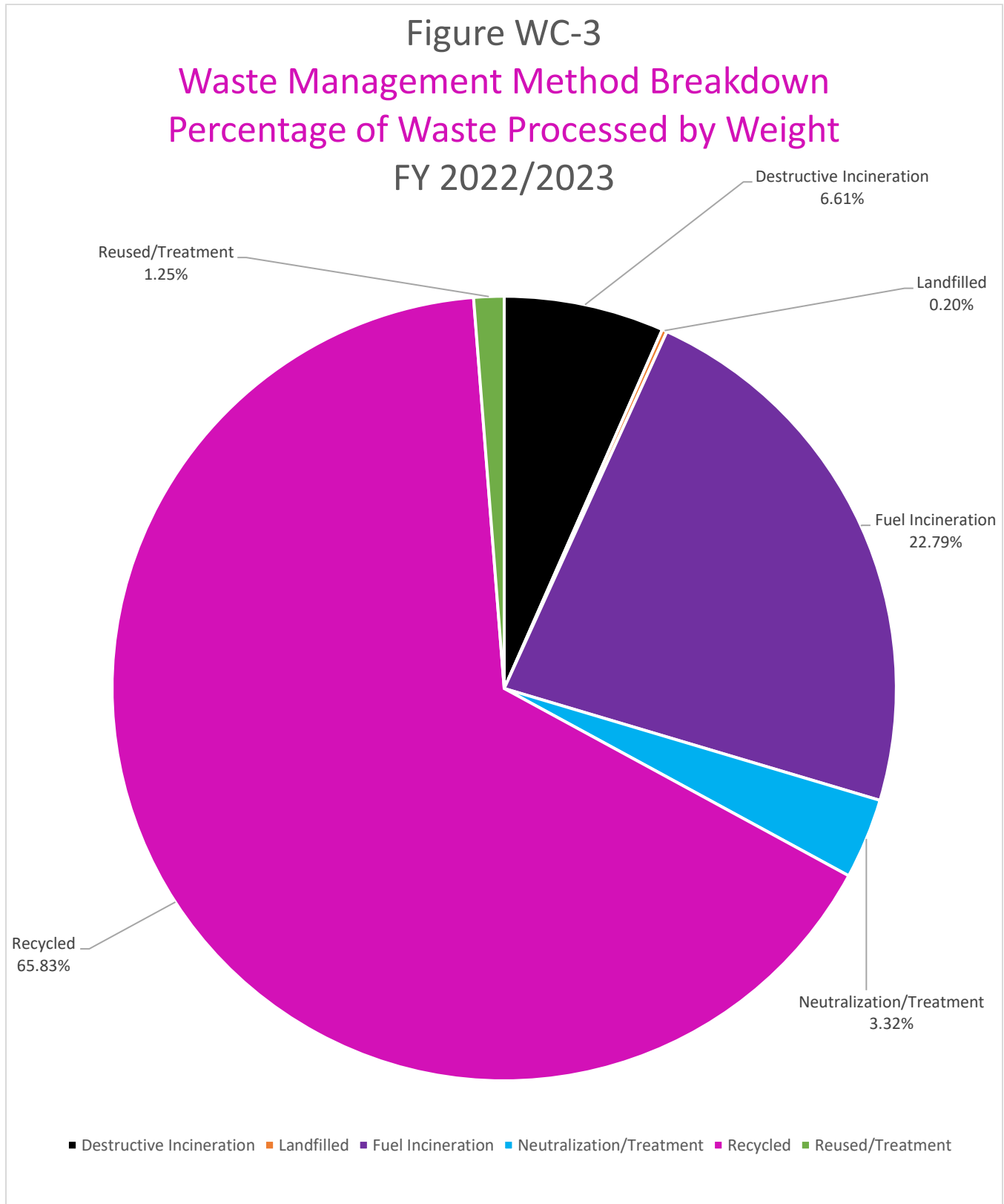


Table WC-1
Quantity of Landfill Diverted Waste and Disposal Method
FY 2022/2023

The following is a breakdown of the types and quantities of hazardous wastes disposed by all sites compared from last fiscal year.

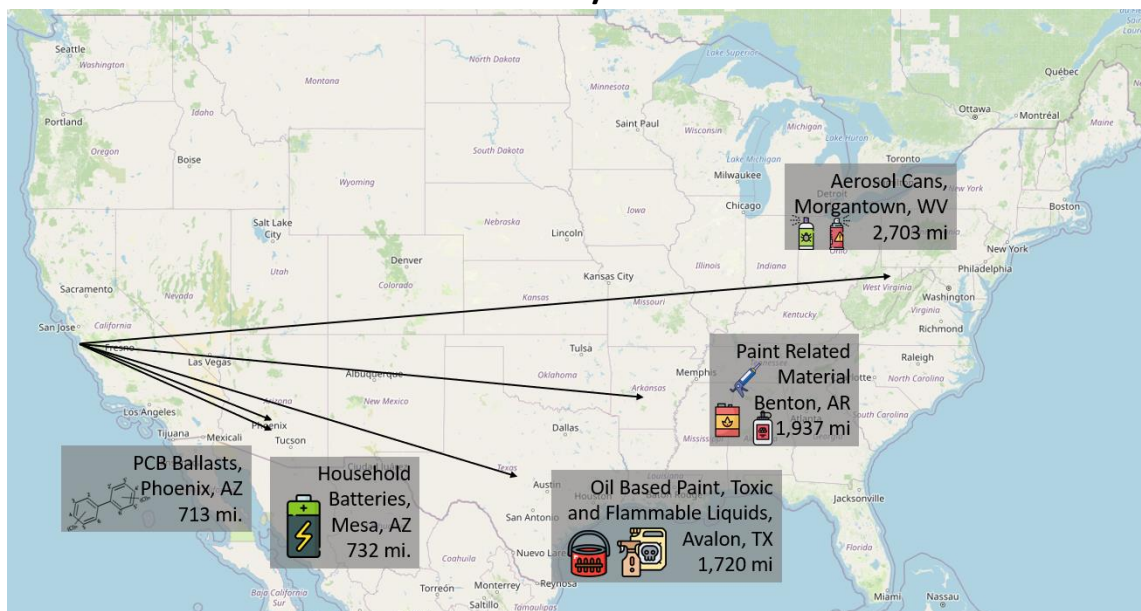
Management Method	Material Type	FY 20/21 Quantity (Pounds)	FY 21/22 Quantity (Pounds)	FY 22/23 Quantity (Pounds)	Percent Change FY From 22/23 and 22/21	Disposal Company
Destructive Incineration	Reactive and Explosive	39	110	0	-100.00%	Clean Earth
Destructive Incineration	Flammable Solids / Liquids	265	260	275	5.77%	Clean Earth
Stabilization/ Destructive Incineration	Oxidizers	2,433	2,615	978	-62.60%	Clean Earth
Destructive Incineration	Poisons	48,400	40,300	38,050	-5.58%	Clean Earth
Destructive Incineration	Transformer Oil, PCBs	800	348	660	89.66%	Clean Earth
Landfilled (Not at Buena Vista)	Asbestos	200	580	1,235	112.93%	Clean Earth
Fuel Incineration	Aerosol Cans	22,270	21,675	11,800	-45.56%	Clean Earth
Fuel Incineration	Bulked Flammable Liquids	69,265	52,715	60,975	15.67%	Clean Earth
Fuel Incineration	Paint Related Material	81,900	66,050	65,100	-1.44%	Clean Earth
Neutralization / Treatment	Inorganic and Organic Acid	11,373	9,600	8,280	-13.75%	Clean Earth
Neutralization / Treatment	Inorganic and Organic Bases	19,318	14,900	11,801	-20.80%	Clean Earth
Recycled	Antifreeze	23,805	27,871	11,262	-59.59%	Bayside Oil II
Recycled	Auto Type Batteries	61,872	61,090	36,603	-40.08%	A&S/SIMS Rec.
Recycled	Lamps (Includes LED)	15,425	8,585	9,935	15.73%	ReVolt Recycling
Recycled	Motor Oil/Oil Products	109,921	98,480	64,312	-34.70%	Bayside Oil II
Recycled	Non-Rechargeable Batteries	20,000	35,860	20,250	-43.53%	Clean Earth
Recycled	Oil-Based Paints	38,408	36,543	34,123	-6.62%	PaintCare
Recycled	Rechargeable Batteries	2,800	4,175	1,250	-70.06%	Clean Earth
Recycled	One Pound Propane Canister and Compressed Gas Cylinders	1,885	1,915	1,977	3.24%	Clean Earth
Recycled	Used Oil Filters	3,500	3,000	2,850	-5.00%	Bayside Oil II
Recycled	Latex Paint	319,901	284,714	215,603	-24.27%	PaintCare
Recycled	Mercury	70	53	55	3.77%	Clean Earth
Reused/Treatment	Latex Paint-Solidification	15,995	10,440	7,546	-27.72%	Santa Cruz County
Total waste throughput, including reused, recycled, and disposed		869,216	781,879	604,920	-22.63%	

Figure WC-4 HHW Processing and Disposal Sites (California and Nevada) FY 2022/2023

The figures WC-4 and WC-5 illustrates the processing and final disposal sites and their distances of household hazardous waste that is transported from each of the HHW collection facilities. The closest processing site is in Santa Cruz for motor oil and oil filters, the farthest for aerosol cans in Morgantown, West Virginia.



Figure WC-5 HHW Processing and Disposal Sites (National) FY 2022/2023



SHARPS AND MEDICATION TAKE BACK PROGRAMS

MED-PROJECT (MP)

MED-Project Overview

MED-Project LLC operates a Product Stewardship Plan for Unwanted Medicine and Sharps from Households in the County of Santa Cruz under the Santa Cruz County Safe Drug and Sharps Disposal Ordinance, Santa Cruz County Code sections 7.95.010 – 7.95.120.

During FY 2022/2023, MED-Project's Program collected and disposed of Unwanted Medicine from nine Unwanted Medicine Kiosk Drop-Off Sites and Sharps from four Sharps Kiosk Drop-Off Sites. MED-Project also distributed the following during the Reporting Period:

- Unwanted Medicine Mail-Back Packages at five Unwanted Medicine Mail-Back Distribution Locations.
- Sharps Containers at four Sharps container distribution locations.
- Sharps information at two Sharps information material sites.
- Sharps information and materials at three combined Sharps container and information distribution sites.

Collection Method and Weight:

Kiosks

- MED-Project collected **3,112.6 pounds** (FY 21/22 2,333.7 pounds) of Unwanted Medicine through Unwanted Medicine Kiosk Drop-Off Sites
- MED-Project collected **3,352 pounds** (FY 21/22 2,898 pounds) of Sharps through Sharps Kiosk Drop-Off Sites.

Mail-Back Services

- MED-Project collected a total of **115 packages** (FY 21/22 148 packages) of Unwanted Medicine program during the Reporting Period.
- MED-Project collected a total of **13 packages** (FY 21/22 four packages) of Sharps through the return Sharps mail-back program during the Reporting Period.

Santa Cruz County, CA – Medicine/Sharps Disposal Program

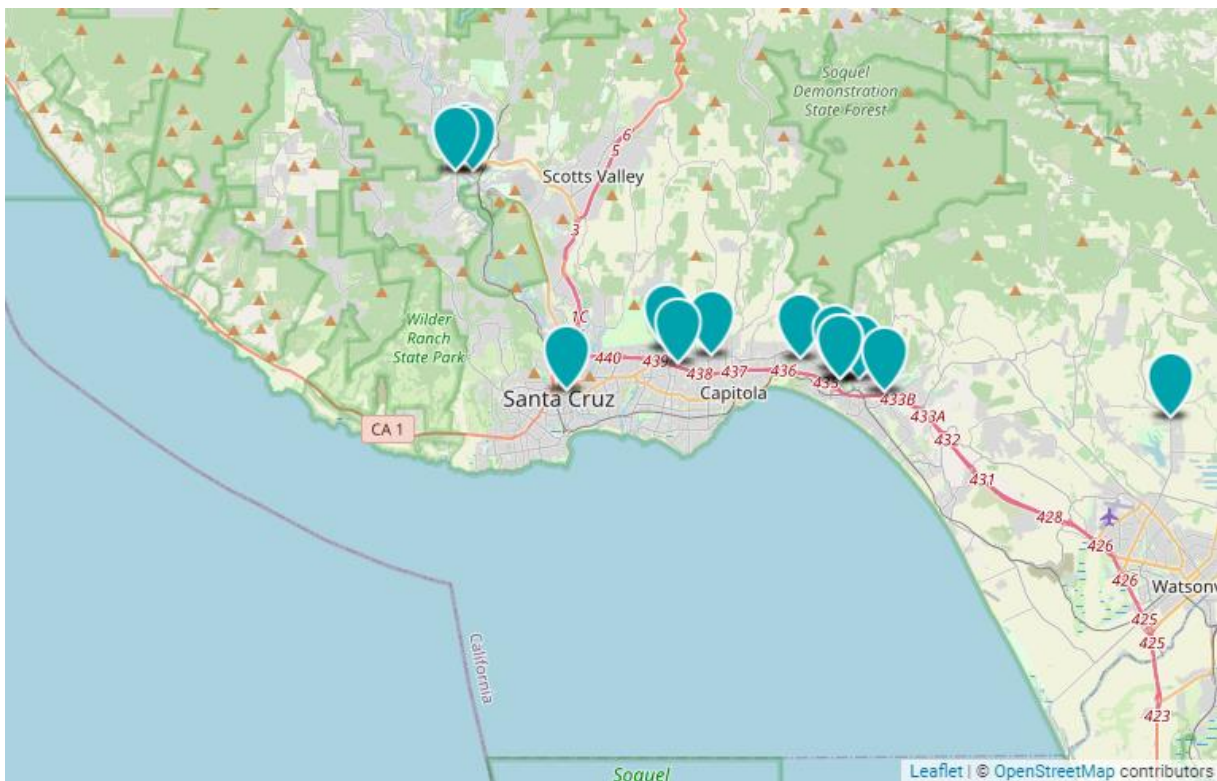
[Get Started](#)

What should you do with your expired or unwanted medicine or sharps?

Medicine helps treat diseases, manage chronic conditions, and improve health and well-being for millions of Americans. It is important that patients take their medicine as prescribed by their health care provider. However, if you have expired or unwanted **medicine** or **sharps**, proper disposal is important and easy.



Screen capture of the MED-Project Website. <https://med-project.org/locations/santa-cruz-county/>



Screen capture of the MED-Project kiosks and mail-back distribution sites.

<https://med-project.org/locations/santa-cruz-county/>

Table MP-1
Unwanted Pharmaceutical Kiosk Collection Locations
FY 2022/2023

Site	Address	City	Zip Code
Boulder Creek Pharmacy	13081 Central Avenue	Boulder Creek	95006
CVS Pharmacy 03952	783 Rio del Mar Blvd. #3	Aptos	95003
CVS Pharmacy 09853	6247 Graham Hill Road	Felton	95081
Frank's Pharmacy	7548 Soquel Drive	Aptos	95003
Sheriff's Office – Aptos Service Center	171 Aptos Village Way, Suite T1	Aptos	95003
Sheriff's Office – Headquarters	5200 Soquel Ave.	Santa Cruz	95062
Sheriff's Office – San Lorenzo Valley Service Center	6062 Graham Hill Road	Felton	95018
Sheriff's Office – South County Service Center	790 Green Valley Road	Watsonville	95076
Sheriff's Office – Cabrillo College	6500 Soquel Drive	Aptos	95003

Note: The weight of Unwanted Medicine for each one of the Kiosk locations to protect the amount of medicine that is collected at each location.

Table MP-2
Unwanted Sharps Kiosk Drop-Off Collection Locations and Data
FY 2022/202

Site	Address	City	FY 20/21 Pounds	FY 21/22 Pounds	FY 22/23 Pounds	Percent Change
Boulder Creek Pharmacy	13081 Central Ave.	Boulder Creek	532	556	678	21.94%
CVS Pharmacy 03952	783 Rio del Mar Blvd. #3	Aptos	825	813	904	11.19%
CVS Pharmacy 09853	6247 Graham Hill Road	Felton	644	774	932	20.41%
Frank's Pharmacy	7548 Soquel Drive	Aptos	776	741	838	13.09%
Mailed In Packages			N/A	14	13	-7.14%
Total Pounds Collected*			2,777	2,898	3,352	15.67%

*The locations and total weight of Sharps collected and disposed of from Sharps Kiosk.

Table MP-3
Unwanted Medicine Mail-Back Distribution Locations
FY 2022/2023

Site	Address	City	Zip Code
Dominican Plaza Pharmacy	1595 Soquel Drive	Santa Cruz	95065
Rite Aid Pharmacy 5965	80 Ranch Del Mar	Aptos	95003
Rite Aid Pharmacy 5968	6123 Highway 9	Felton	95018
Safeway Pharmacy 0640	16 Rancho Del Mar	Aptos	95003
Safeway Pharmacy 1929	2720 41 st Ave.	Soquel	95073

Locations within the Jurisdiction where Unwanted Medicine mail-back packages were distributed to Residents.

BUDGET ITEMIZATIONS – FACILITIES OPERATION

REVENUE AND EXPENSES (RE)

Personnel Overview

The Household Hazardous Waste Program staff consists of 4.5 full-time employees (FTE) Solid Waste Inspectors, 1.0 FTE Public Works Supervisor for HHW, and 0.65 Environmental Programs Coordinator. All Inspectors are trained in hazardous materials handling and complete the required eight-hour OSHA Hazardous Waste Operation certification annually. Due to this advanced training, the Inspectors respond to any County solid waste facility related incidents involving hazardous materials. The Inspectors also perform load checking and environmental monitoring of ground water, leachate, landfill gas, surface water and stormwater, which consumes approximately 0.5 FTE. The Public Works Supervisor and Solid Waste Inspectors are under direct supervision of the Environmental Programs Coordinator, which is a staff position in the Recycling and Solid Waste Services section of the Public Works Department.

Figure RE-1
Solid Waste and Recycling Organization Chart
FY 2022/2023

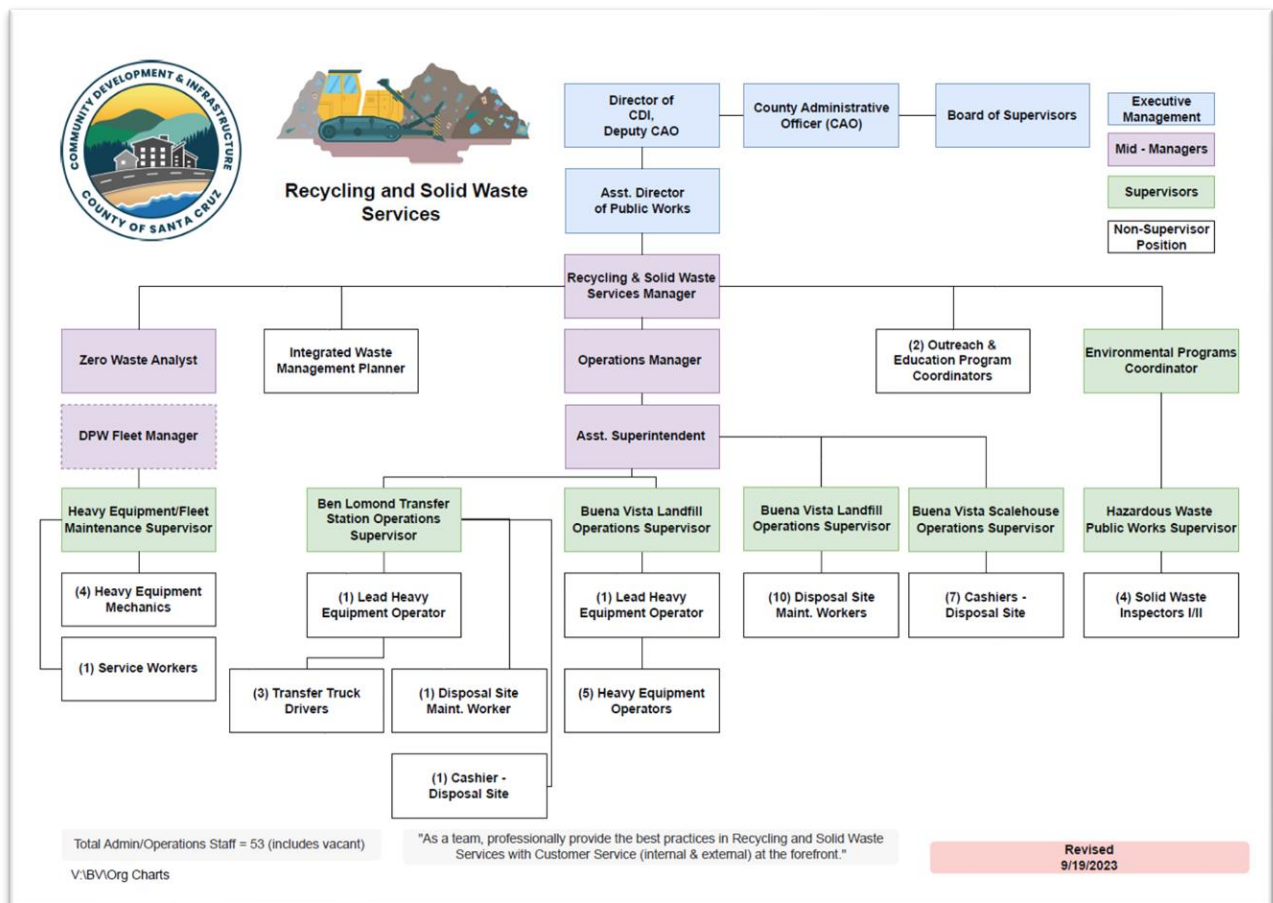
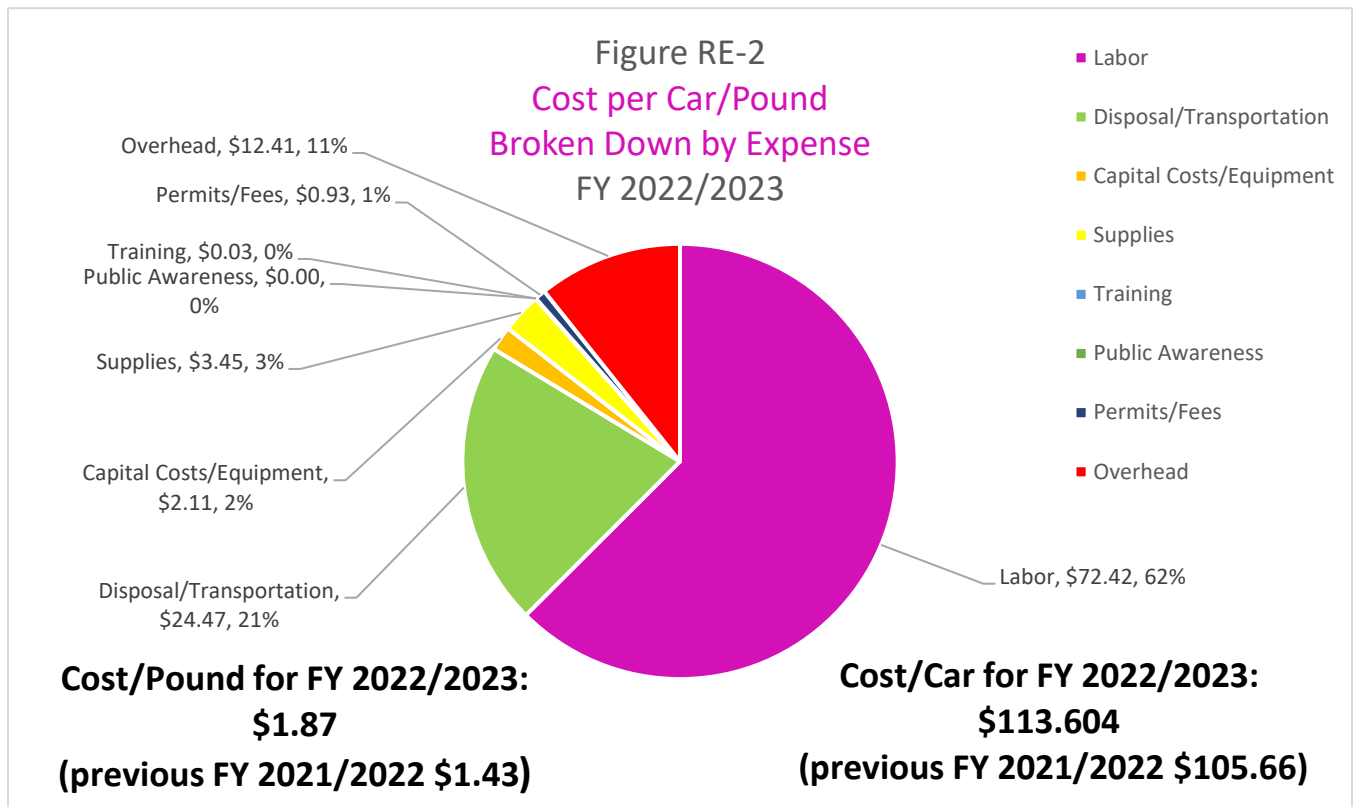


Table RE-1
Revenue and Expenses
FY 2022/2023

Table RE-1 presents a full summary of revenue and expenses for the HHW Collection Facility for FY 2022/2023 compared to the previous year.

	Prior FY 2021/2022	Current FY 2022/2023
Personnel Expenses		
Administrative (Management/Supervision)	\$ 115,384	\$ 139,008
Public Works Supervisor (1.0 FTE)	\$ 533,882	\$ 572,248
Solid Waste Inspectors (4.5 FTE)		
Personnel Labor Total	\$ 649,266	\$ 711,256
Disposal - Hazardous and Universal Waste disposal services for fiscal year 2022/2023 were performed under contracts and purchase orders. The following is a summary of those costs by vendor:		
Clean Earth (formally Stericycle) – Transportation and Disposal Services, Supplemental Labor, Supplies	\$ 263,610	\$ 208,789
Bayside Oil II - Transportation and Recycling Services for Antifreeze and Absorbent*	\$ 7,383	\$ 4,205
ReVolt Recycling - Transportation and Recycling Services for Fluorescent Lights and LED Lights	\$ 15,955	\$ 27,373
Services for Sharps/Hypodermic Needles**	\$ 0	\$ 0
*Waste Oil and Oil Filters disposal paid through CalRecycle’s Oil Payment Program.		
**Collection and disposal funded through Santa Cruz County MED-Project for home medicines program.		
Disposal Total	\$ 286,948	\$ 240,367
Public Education - Costs associated with public education including newspaper and television advertisement, brochure duplication, mailing and HHW Information Exchange Meeting participation.		
Public Education Total	\$ 0	\$ 0
Training Services - 40 Hour OSHA HAZWOPER & Annual 8-hour Re-certification Training.		
Training Services Total	\$ 0	\$ 267
Itemized Materials, Supplies and Miscellaneous Charges - Miscellaneous purchases for supplies, safety gear (PPE), construction materials, labels, uniforms, tools, office supplies, etc.		
Supplies Total	\$ 22,286	\$ 33,871
Permits - County of Santa Cruz, Environmental Health - State Household Hazardous Waste Facilities Permit Fee. Engineering consultant fees for HHW facility environmental permit compliance.		
Permits and Compliance Total	\$ 7,533	\$ 9,179
Capital Improvements - Buena Vista Household Hazardous Waste Trailer Replacement (1st of 5 annual payments).		
Department Overhead (FY 22/23 12.00%)	\$ 119,865	\$ 121,885
Program Subtotal	\$ 1,118,738	\$ 1,137,593
Revenue from Small Quantity Generators charged according to County Unified Fee Schedule.	\$ -10,328	\$ -7,801
Revenue from PaintCare: Paint handling and processing revenues. PaintCare no longer reimburses for handling and processing revenues starting FY 22/23	\$ -4,410	\$ 0
TOTAL EXPENDITURES	\$ 1,104,000	\$ 1,129,792

Figure RE-2 breaks down that cost by major expenses categories: labor, waste, materials, capital, and other.



A critical component of the HHW Collection Program is the collection of hazardous wastes from small businesses that qualify as “Very Small Quantity Generators” (SQG) under Federal and State hazardous waste management laws. This program is intended to offer small businesses a cost-effective and convenient hazardous waste disposal option. A very small quantity generator is a category of hazardous waste generators who produce the least amount of hazardous waste in a calendar month. According to the US Environmental Protection Agency (EPA), a VSQG generates 100 kilograms or less per month of hazardous waste or one kilogram or less per month of acutely hazardous waste. VSQGs must identify all the hazardous waste they generate and comply with basic requirements for waste determination, notification, management, storage, and disposal. They may not accumulate more than a certain amount of hazardous waste or acutely toxic hazardous waste on-site at any time. The VSQG program was developed to help businesses and nonprofit organizations dispose of their hazardous waste in compliance with state and federal regulations. VSQGs must comply with three basic waste management requirements to remain exempt from the full hazardous waste regulations that apply to generators of larger quantities. These requirements include: Identifying hazardous waste; Storing hazardous waste safely; Disposing of hazardous waste properly.

Non-profits, landlords, apartment managers, and businesses who generate hazardous waste are considered small businesses and are not exempt from disposal fees.

Small business participation fluctuates from year to year as does the revenue collected. See Figure RE-3 for the current SQG disposal charges and RE-4 for usage.

Figure RE-3
Disposal Charges for Small Quantity Generators
FY 2022/2023

HOUSEHOLD HAZARDOUS WASTE			
MATERIAL	RATE	UNIT	SPECIAL CONDITIONS
HOUSEHOLD HAZARDOUS WASTE: Includes paints, stains, solvents, pesticides, herbicides, automotive products, cleaning products, aerosols, and pool care chemicals. Call 454-2606 for information on disposal of hazardous waste from small businesses.	FREE	NO more than 15 gallons or 125 lbs. of hazardous material accepted per visit.	Buena Vista Household Hazardous Waste Hours Wed, Fri, Sat: 7:30 AM – 3:30 PM
			Ben Lomond Household Hazardous Waste Hours Thurs: 7:30 AM – 3:30 PM
			HHW Facilities are open FREE OF CHARGE to residents of the unincorporated County of Santa Cruz and the Cities of Scotts Valley, Capitola, and Santa Cruz. Please bring proof of residency with you. Not available to City of Watsonville residents. Call 454-2606 for additional information and tips on safe transportation. See household hazardous waste policy for more information.
HOUSEHOLD GENERATED MEDICAL SHARPS & NEEDLES	FREE at Med-Project.org		ALL SHARPS & NEEDLES must be contained in a certified red medical sharps container, available at local pharmacies. No loose or bagged needles will be accepted. Please visit www.Med-Project.org for convenient drop-off locations for household generated waste medications and needles, including many pharmacies around Santa Cruz County.
COMPACT FLUORESCENT LIGHT (CFL) BULBS AND FLUORESCENT LAMP TUBES	FREE	NO more than 25 accepted per visit.	No appointment necessary, see days of operation above. Please visit www.SantaCruzCountyRecycles.org (Resources Page) for convenient drop-off locations for household CFLs around Santa Cruz County. HAZARDOUS WASTE DISPOSAL IS PROHIBITED IN TRASH OR LANDFILL!

SMALL QUANTITY COMMERCIAL HAZARDOUS WASTES COLLECTION PROGRAMS (BUSINESS WASTE)			
MATERIAL	RATE	UNIT	SPECIAL CONDITIONS
POISONS, ACIDS, BASES, OXIDIZERS, WASTE PAINT Liquids Solids Aerosol Cans	\$6.00	Per Gal.	Buena Vista Household Hazardous Waste Hours Wednesday and Friday: 7:30 AM – 3:30 PM HAZARDOUS WASTE DISPOSAL IS PROHIBITED IN TRASH OR LANDFILL!
	\$3.00	Per Pound	
	\$2.00	Each	
OIL FILTERS Metal Non-Metallic	\$3.00	EACH	Appointments are REQUIRED to participate. Appointments are only made on Wednesdays and Fridays of each week. Schedule your appointment five days in advance to ensure your timeslot. Visit the County HHW website at: dpw.co.santa-cruz.ca.us/Home/RecyclingTrash/HouseholdHazardousWaste(HHW).aspx
	\$8.00	EACH	
FLUORESCENT LAMPS 4 feet long & under and CFLs Over 4 ft. long Lamp Ballasts	\$1.00	EACH	Small Quantity Generator: State and Federal hazardous waste laws limit the use of household hazardous waste collection programs to households and those businesses that generate less than 100 kilograms (about 27 gallons or 220 lbs.) of hazardous waste per month and less than 1 kg of extremely hazardous waste per month (40 CFR 261.5 & CA Health & Safety Code 25218-25218.12). Businesses generating hazardous waste in excess of these regulatory limits may not use these facilities. Large generators should contact County Environmental Health for assistance at 454-2022.
	\$2.00	EACH	
	\$3.00	EACH	
HIGH INTENSITY DISCHARGE (HID) BULB	\$6.00	EACH	
PROCESSING AND LABOR	\$25.00	Minimum Charge	No charge for PaintCare products except processing and labor minimum charge of \$25.00 per load.

Figure RE-4 shows the number of SQG appointments during FY 2022-2023 and the cost recovery to the program from fees that the businesses paid to dispose of their hazardous waste.

Figure RE-4

Cost Recovery Program for Small Quantity Generators

Date 07/10/23
Time 09:45:24

Santa Cruz County, CA

Page 1

Material Analysis Report by Material

Inbound and outbound materials for the period 07/01/2022 - 06/30/2023
Summary Report for Sites: 1, 2, 3
Accounts 0 - 999999 Customer Types - Z Materials 86 - 86 Material Types - ZZ

Date	Material	Type	Customer	Type	Tickets	Count	Est. vol.	Act. Vol.	Est. Wt.	Actual Wt.	Charge
	HHW-SQG	CH		Total	81	0	0	0	0.00	0.00	7,801.00
				Average		0	0	0	0.00	0.00	96.31
				Report Total	81	0	0	0	0.00	0.00	7,801.00
				Report Average		0	0	0	0.00	0.00	96.31

FUTURE OF PROGRAM

The budget for the FY 2022-2023 program was approved at \$1,545,600. Current purchase orders have been renewed at or close to current levels. The contract and purchase orders for waste transportation and disposal services remain with Clean Earth Environmental Services, ReVolt Recycling, and Bayside Oil II. The County has selected Clean Earth as the hazardous waste contractor for the next four years. Clean Earth provides transport and disposal of hazardous waste. In addition, they may provide emergency hazardous materials cleanup services upon request from the County of Santa Cruz.

Countywide outreach and education on the HHW program are minimally funded. Staff will continue to perform outreach as needed with residents and businesses and at the Earth Day event in April in Santa Cruz. Information on the HHW program, including days and hours of operation is available on the web site at: www.santacruzcountyrecycles.org.

The total cost for the new Buena Vista HHW collection and storage facility calculated at \$656,775 was amortized and apportioned to all participating jurisdictions over the facility's anticipated life of 20 years at \$32,840 per year. The facility was paid off FY 2021-2022. A new replacement office trailer with breakroom and restrooms for HHW staff was installed at the Buena Vista HHW facility spring of 2022. The cost for the office trailer was \$103,842 and will be amortized over 5 years starting in the FY 2022-2023 HHW budget.

Inclusion of small quantity generators (SQG: business that generate < 27 gallons hazardous waste or < 2.2 pounds of extremely hazardous waste per month) into the HHW program has continued. The HHW Program accepted drop-offs from 81 SQGs this reporting period. Charging SQGs to recover disposal costs associated with handling their hazardous waste began in fall 2008. These rates are included in the County's Unified Fee Schedule. For the 2022/2023 fiscal year, \$7,801 was recovered for the HHW Program from fees charged to SQGs. The PaintCare architectural paint stewardship program payments to the HHW Program for handling and processing latex ceased in the fiscal year 2022/2023. PaintCare will collect all latex paint regardless of the condition of the paint for reuse and recycling. SQG and was added to the budget to help offset annual HHW Program costs. SQG fees will be reviewed before December 2023 and are anticipated to be increased by January 2024 to meet the costs associated with handling, shipping, and disposal of HHW.

Having completed its 32nd year of operation, the Household Hazardous Waste program continues to be a successful component of the County Recycling and Solid Waste Services. Since its beginning, this program has allowed 92,466 households and small businesses in the County of Santa Cruz community to safely dispose of their household hazardous wastes and looks forward to serving future customers.

APPENDIX

CalRecycle Form 303 Household Hazardous Waste Collection Information for 2022/2023



DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY

1001 I STREET, SACRAMENTO, CALIFORNIA 95814 • www.CalRecycle.ca.gov • (916) 322-4027
P.O. BOX 4025, SACRAMENTO, CALIFORNIA 95812

Form CalRecycle 303 Household Hazardous Waste Collection Information For 2022-2023

Name of Public Agency Reporting: County of Santa Cruz
HHW Program Manager: Kasey Kolassa ,Recycle & Solid Waste Srv. Mgr.
Address: Santa Cruz Co. Dept. of Public Works 701 Ocean Street, Room 410 Santa Cruz, CA 95060
Phone Number: (831) 454-2160
Fax Number: (831) 454-2385
Email: dpw128@co.santa-cruz.ca.us
Contractor's Name: Clean Earth Inc. (formally Stericycle)
Participating Households: 9,945 Method: Number of Vehicles
Participating Households includes non-residential (CESQG,schools,nonprofits,etc.): Yes
Service Area Households: 92,466

Participants Represented by Reporting Jurisdiction/Agency (i.e., individual city(ies), county(ies), other agency(ies)):

Capitola Santa Cruz Santa Cruz-Unincorporated Scotts Valley

Permanent Facilities within Program Service Area:

Table with 6 columns: Facility Name, EPAID, Site Contact, Phone, Facility Address, County. Rows include Buena Vista Landfill, Ben Lomond Transfer Station, and Santa Cruz City Resource Recovery Facility.

Program Types:

Table with 8 columns: Program Type, EPAID, Program Type, EPAID, Program Type, EPAID, Program Type, EPAID. Rows include Permanent Facility and Ben Lomond Transfer Station.



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Collection (pounds)	Material Type	Permanent Facility	Temporary (periodic) Facility	Mobile Facility	Recycle-only Facility	Door to Door (residential) Program	Curbside Program	Load Check	Other
Flammable and Poison	Flammable solids / liquids	275							
	Bulked flammable liquids	60,975							
	Oil-based paints	34,123							
	Paint Related Material (PRM)	65,100							
	Poisons	38,050							
	Reactive and explosive								
	Compressed gas cylinders	1,977							
	1 lb propane canister								
	Flammable and Poison subtotal	200,500							
PCB-containing	PCB-containing paint								
	Other PCB waste (includes ballasts)	660							
	PCB-containing subtotal	660							
Reclaimable	Antifreeze	11,262							
	Auto type batteries (motor vehicles)	36,603							
	Latex paint	215,603							
	Motor oil/oil products								
	Used oil filters (recyclables only)								
	Reclaimable subtotal	263,468							
Acid	Inorganic and organic acid	8,280							
Base	Inorganic and organic base	11,801							
Oxidizer	Neutral oxidizers, Organic peroxides, Oxidizing acid/base	978							
Asbestos	Asbestos	1,235							
Universal Waste (UW)*	Mercury containing automatic switches / thermometers / and novelties	55							
	Mercury containing thermostats								
	Mercury containing waste (other)								
	Lamps	9,935							
	Photovoltaic Modules								
	Other batteries	20,250							
	Aerosol cans	11,800							
	Rechargeable batteries	1,250							



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Collection (pounds)	Material Type	Permanent Facility	Temporary (periodic) Facility	Mobile Facility	Recycle-only Facility	Door to Door (residential) Program	Curbside Program	Load Check	Other
Electronic Devices (UW)	Covered Electronic Devices								
	Other Electronic Devices								
	Electronic Devices (UW) subtotal								
Universal Waste (UW)* + Electronic Devices (UW) subtotal		43,290							
Other	Home-generated sharps waste								
	Home-generated pharmaceutical waste								
	Treated wood								
	Other								
	Reuse Total								
Other subtotal									
Grand Total		530,212							



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Disposition (pounds)	Material Type	Destructive Incineration	Fuel Incineration	Landfill	Neutralization / Treatment	Recycled	Reused	Stabilization	Steward
Flammable and Poison	Flammable solids / liquids	275							
	Bulked flammable liquids		60,975						
	Oil-based paints								34,123
	Paint Related Material (PRM)		65,100						
	Poisons	38,050							
	Reactive and explosive								
	Compressed gas cylinders						1,977		
	1 lb propane canister								
	Flammable and Poison subtotal	38,325	126,075			1,977			34,123
PCB-containing	PCB-containing paint								
	Other PCB waste (includes ballasts)	660							
	PCB-containing subtotal	660							
Reclaimable	Antifreeze					11,262			
	Auto type batteries (motor vehicles)					36,603			
	Latex paint								215,603
	Motor oil/oil products								
	Used oil filters (recyclables only)								
	Reclaimable subtotal					47,865			215,603
Acid	Inorganic and organic acid				8,280				
Base	Inorganic and organic base				11,651			150	
Oxidizer	Neutral oxidizers, Organic peroxides, Oxidizing acid/base	33						945	
Asbestos	Asbestos			1,235					
Universal Waste (UW)*	Mercury containing automatic switches / thermometers / and novelties					55			
	Mercury containing thermostats								
	Mercury containing waste (other)								
	Lamps					9,935			
	Photovoltaic Modules								
	Other batteries					20,250			
	Aerosol cans		11,800						
	Rechargeable batteries					1,250			



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Disposition (pounds)	Material Type	Destructive Incineration	Fuel Incineration	Landfill	Neutralization / Treatment	Recycled	Reused	Stabilization	Steward
Electronic Devices (UW)	Covered Electronic Devices								
	Other Electronic Devices								
	Electronic Devices (UW) subtotal								
	Universal Waste (UW)* + Electronic Devices (UW) subtotal		11,800			31,490			
Other	Home-generated sharps waste								
	Home-generated pharmaceutical waste								
	Treated wood								
	Other								
	Reuse Total								
	Other subtotal								
	Grand Total	39,018	137,875	1,235	19,931	81,332		1,095	249,726