



Department of  
Toxic Substances  
Control



**CalEPA**  
California Environmental  
Protection Agency

# Hazardous Waste Management Report

Implementation of California Health and Safety Code Section 25135

November 28, 2023

## Message from the Director of the Department of Toxic Substances Control and the Deputy Director of the Hazardous Waste Management Program

Dear Colleagues,

We are pleased to present the first Hazardous Waste Management Report for California. This report on our hazardous waste management system was developed with input from a wide variety of stakeholders across the state and will be used to guide hazardous waste management planning in California. The aim of future planning activities is to develop hazardous waste management practices that are sustainable, supportive of a circular economy, and protective of all Californians, especially those who are most vulnerable.

This report provides foundational information on traditional aspects of our hazardous waste management system, such as the types and amounts of hazardous waste generated, transportation modes and distances, and destination facilities and where they are located. Additionally, the report lays the groundwork for planning efforts to move beyond our traditional hazardous waste management framework to address environmental and health inequities.

In partnership with stakeholders, DTSC is committed to exploring new ways to incentivize hazardous waste reduction, assess whether current hazardous waste criteria should be updated to reflect advances in science, technology or analytical methods and evaluate emerging contaminants. Collectively, we will need to be forward-thinking, while also relying on proven and scientific practices. Your continued engagement and participation is the type of collaboration that will make our future plans and strategies stronger and more impactful as we work towards improving environmental conditions and community health.

Thank you to our many partners and stakeholders who reviewed and commented on this report. Through our workshops and meetings, we began a constructive dialogue on what future planning activities may look like, and we are eager to roll these out in Spring of 2024. We are energized by the level of stakeholder interest and engagement to date, which truly reflects the importance of this effort. We look forward to continued collaboration as we move forward to work together to develop a comprehensive hazardous waste management plan.

Sincerely,



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Director

Department of Toxic Substances Control



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Hazardous Waste Management Program

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## 1. Introduction and Overview

Senate Bill (SB) 158, which Governor Newsom signed into law in 2021, made several significant changes to the funding and governance of California's Department of Toxic Substances Control (DTSC). In addition to restructuring and increasing the fees that fund DTSC's operations, the bill established a new Board of Environmental Safety (BES) and imposed new reporting and planning requirements on DTSC. Specifically, DTSC is now required to issue a report on the management of hazardous waste in the state every three years, beginning in 2023, and a triennial Hazardous Waste Management Plan based on these reports, beginning in 2025. This report is DTSC's first triennial Hazardous Waste Management Report (Report), which was prepared pursuant to [California Health and Safety Code \(HSC\) section \(§\) 25135](#).

This Report is the starting point of a continuous process of research and development of Hazardous Waste Management Plans. As such, this report:

- Establishes a baseline understanding of the management of hazardous waste in the state of California.
- Identifies data gaps and items that require additional research.
- Begins to develop plans to fill data gaps and complete additional research.

Specifically, this Report provides available information about the types and quantities of hazardous wastes generated in the state as well as the destinations and ultimate dispositions of these wastes. DTSC will use information from this and subsequent Reports to inform the triennial Hazardous Waste Management Plan (Plan). The Plans will recommend strategies for reductions in hazardous waste generation and strategies for managing more waste within the borders of California, and they will also provide insight into issues of concern, such as the impacts of hazardous waste on disadvantaged communities.

DTSC will prepare the first Plan by March 1, 2025, and every three years thereafter, for presentation to the Board of Environmental Safety (BES) for approval. These Plans will be based on Hazardous Waste Management Reports and will serve as:

- Comprehensive planning documents for the management of hazardous waste in the state.
- Sources of useful information to guide state and local hazardous waste management efforts.
- Guides for implementation of DTSC's Hazardous Waste Management Program.

DTSC will provide information about specific items such as waste streams and waste management practices that will be used in hazardous waste management planning. The Plan will recommend strategies for reductions in hazardous waste generation and disposal and will provide insight into issues of concern. The state will conduct an ongoing review of hazardous waste management practices to learn from past practices, understand how hazardous wastes are managed today, and plan for hazardous waste management in the future.

### 1.1 Overview of Hazardous Waste Management in California

DTSC’s approach to hazardous waste management incorporates the concept of a “hierarchy” of waste management. The basic structure of the hierarchy has source reduction as the highest priority, followed by recycling, treatment (including stabilization), and land disposal.<sup>1</sup>

#### Waste Management Hierarchy

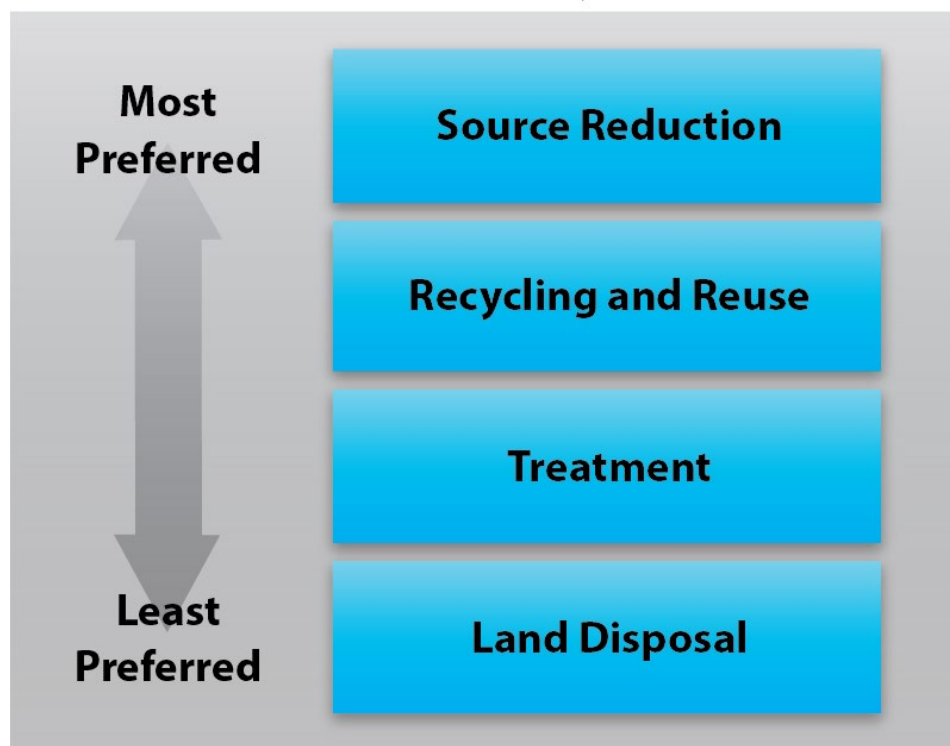


Figure 1.1-1 Waste Management Hierarchy

While this hierarchy helps to provide the steps that generators should consider when they determine how to manage their hazardous waste, the Department must account for the fact that some hazardous waste sources cannot be reduced. It may depend on

<sup>1</sup> Hazardous waste Management Planning Needs and Practices: A Review of Several State Agency Approaches, US EPA, 1993.



whether or not the hazardous waste is generated from an industrial or manufacturing source or from a site cleanup. The following key considerations need to be addressed: project timeline, quality, effectiveness of chemical substitutions, economic factors, and community input. In an effort to emphasize source reduction over recycling, treatment, or disposal, the state has relied on laws and policies intended to encourage less waste generation.

### 1.1.1 Background of Hazardous Waste Management

Americans began recognizing the public health threat posed by improper chemical disposal in the 1970s. Multiple high-profile incidents led to public outcry – Love Canal in New York, A.L. Taylor (Valley of the Drums) in Kentucky, and multiple fires on the Cuyahoga River in Ohio. These incidents – caused by uncontrolled and improper management of hazardous materials and wastes – highlighted the need for specific waste management standards to be protective of public health and the environment.

The United States Congress passed the Resource Conservation and Recovery Act (RCRA) in 1976 to address the increasing problems the nation faced from the growing volume of municipal and industrial waste. RCRA was an amendment to the Solid Waste Disposal Act of 1965, which was the first statute that specifically focused on improving solid waste disposal methods. The first national hazardous waste regulations, implementing the provisions of RCRA, were published in the 1980s by the United States Environmental Protection Agency (U.S. EPA) and established a cradle-to-grave system that regulated the identification, generation, transportation, treatment, storage, and disposal of hazardous wastes. The cradle-to-grave concept centers on tracking hazardous waste from the point of generation, through its transportation, and to its ultimate disposal facility.

RCRA Subtitle C addresses hazardous waste. It established specific requirements for three categories of hazardous waste handlers – generators; transporters; and treatment, storage, and disposal facilities (TSDFs). For TSDFs, these requirements set technical standards for their design and safe operation to prevent the release of hazardous waste into the environment. These requirements also placed restrictions on land disposal practices to ensure that wastes were treated prior to disposal in order to reduce the mobility and/or toxicity of hazardous constituents in a landfill.

U.S. EPA delegates the primary responsibility of implementing the RCRA hazardous waste program to individual states in lieu of U.S. EPA. U.S. EPA's 10 regions also retain authority to administer the RCRA program in all states. A state can seek authorization from EPA to implement the federal hazardous waste program as long as

its program is at least as stringent as RCRA. A state program can also be broader in scope.<sup>2</sup> California is one of 48 states currently authorized to implement RCRA program.

California enacted its own Hazardous Waste Control Act (HWCA) prior to RCRA, in 1972. As noted above, the state's hazardous waste program is more stringent and broader in scope than RCRA, meaning California regulates more wastes than U.S. EPA and has additional regulatory requirements for managing those wastes. The state has held that these additional regulatory requirements are appropriate and necessary to protect California's public health and the environment. In addition, California's policy objective has been to responsibly manage its own hazardous waste within its own borders rather than depending on out-of-state facilities. Needless to say, identifying more waste as hazardous requires more hazardous waste management capacity.

Proper management of hazardous waste minimizes the impacts of that waste on human health and the environment. Having a sufficient number of facilities capable of managing the various types of wastes that are identified as hazardous is a necessity. In other words, capacity is crucial.

California's great need for facilities has been complicated from the beginning by considerations regarding where these facilities would be located. Siting issues have hampered the state's efforts to meet its in-state management goal since the 1970s and 1980s, as have other factors, including challenges in identifying concrete steps to meet waste reduction goals.

### *Facility Siting*

Efforts to address the siting of hazardous waste management facilities in California began with the introduction of several bills in the state legislature in 1981 in response to a perception that California was facing a hazardous waste crisis. Local governments had rejected several proposed hazardous waste management facilities, and numerous land disposal facilities in Southern California had closed. In addition, new federal and state regulatory requirements required treatment facilities to treat hazardous wastes to a higher standard before they could be disposed of to land. The bills attempted to address how to limit local control over facility siting. Proposals ranged from allowing the state to pre-empt local siting decisions, to enhancing regional and county planning efforts, to placing some limitations on local control over siting decisions. None of the proposed bills passed and became law.<sup>3</sup>

In 1982, Assembly Bill (AB) 1543 (Tanner) became law, requiring a 16-member Hazardous Waste Management Council (HWMC) to prepare a Hazardous Waste

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<sup>2</sup> 42 USC 6926

<sup>3</sup> Background Paper, AB 2948 (Tanner), Chapter 1504, Statutes of 1986: Preparation of County and Regional Hazardous Waste Management Plans, Hearing of the Assembly Committee on Environmental Safety and Toxic Materials, March 20, 1990

Management Council Plan (HWMC Plan) that would recommend the elements needed in a state hazardous waste management program. The HWMC released its Draft HWMC Plan in January 1984, and its recommendations were included in legislation introduced while the final HWMC Plan was being prepared. That legislation became law as AB 2948 (Tanner) in 1986 after overcoming two gubernatorial vetoes.

Broadly, AB 2948 included:

- A schedule to move away from the use of landfills as disposal sites for raw, untreated chemical wastes
- Creation of a set of programs and procedures to facilitate the siting and permitting of alternative hazardous waste management facilities through local-level hazardous waste management planning
- Enhancement of public involvement in permitting
- An administrative process to appeal local land use decisions

One of the primary components of AB 2948 was that it authorized counties and regions to prepare comprehensive plans regarding hazardous waste generation and determine present and future needs for facilities to safely manage waste.<sup>4</sup> Another primary component was an appeal process to address local decisions that were based on something other than a compelling need for a facility, a facility's merits or location, or on environmental or public health grounds.

Even though AB 2948 did not mandate the preparation of local hazardous waste management plans, all 58 counties prepared plans, beginning in 1987. By February 1990, DTSC's predecessor, the Toxic Substances Control Program (TSCP) of the Department of Health Services (DHS), had only approved 13 county plans and disapproved 31. Other counties either withdrew their plans, failed to finalize or submit them, or submitted them after the deadline.

Local level hazardous waste management planning resulted in significant disagreements. While funding was one problem, the key factor leading to delays and concerns was the issue of "fair share." DHS required each county's plan to allow for the siting of all types and sizes of hazardous waste facilities, regardless of the types and amounts of hazardous waste a county generated. Counties argued for "fair share" provisions, allowing them to plan only for the types and amounts of waste generated in their geographic area. Counties also proposed allowing local jurisdictions to work together to agree on the location and use of facilities to manage a region's waste. Negotiations between DHS and the counties regarding the siting of hazardous waste facilities delayed the approval of the hazardous waste management plans, and ultimately the statewide plan was not completed.

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<sup>4</sup> Up to 8.5 million was made available to counties and regional governments to prepare these plans (1989 Capacity Assurance Plan).

These disagreements between counties and DHS ultimately affected California's efforts to meet federal requirements under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLA requires states to provide assurance that they have capacity to treat, destroy, or securely dispose of the waste that is generated within their borders for 20 years in order to maintain funding for CERCLA projects.<sup>5</sup> California's response – the 1989 Capacity Assurance Plan (CAP) – asserted that the state had the capacity to manage most of its projected hazardous waste.

In addition, the 1989 CAP reiterated that California's stated policy goal was to responsibly manage its own hazardous waste within its own borders rather than depend on out-of-state facilities. To provide this capacity, the state intended to rely primarily on waste reduction and recycling, and secondarily on new facilities,<sup>6</sup> based on three factors:

1. California had grown a relatively robust waste reduction program.
2. Some facility permit applications were actively being processed.
3. Legislative efforts (AB 2948 Tanner and AB 650 Tanner) were moving forward toward hazardous waste facility siting and hazardous waste management planning.

### *Waste Reduction*

California's hazardous waste reduction effort began in 1984 in DTSC's predecessor, the Toxic Substances Control Program (TSCP) within the Department of Health Services (DHS). The effort grew from two staff with \$150,000 in contract funds in 1984 to more than 20 staff and a contract budget of \$3.15 million in fiscal year 1988-1989. The program's three primary elements included the Waste Reduction Unit, the Resource Recovery Unit, and the Technology Clearinghouse Unit. These three elements of the waste reduction program focused on:

- Managing a Hazardous Waste Reduction Grant Program.
- Contracting for waste audit studies to assist California's smaller businesses.
- Providing technical assistance to industry on ways to reduce hazardous waste.
- Recycling and recovery of resources that might otherwise be lost to land disposal.
- Acting as a central point of technical information on source reduction, recycling, and treatment technologies and strategies.

By 2012, even though some progress was realized through the reduction of some wastes from certain industries, these programs were seen by some as ineffective at reducing waste, and DTSC redirected resources into other areas and initiatives,

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<sup>5</sup> <https://www.epa.gov/hwpermitting/assessment-national-capacity-hazardous-waste-management>

<sup>6</sup> State of California, Capacity Assurance Plan for Hazardous Waste Management, October 1989.

including the Safer Consumer Products program and implementation of more stringent requirements for permitted hazardous waste facilities.

### *Hazardous Waste Management Facility Applications*

Although waste reduction and recycling minimized some of the need for additional waste management capacity, the state needed additional capacity, specifically for hazardous wastes that went to land disposal without prior treatment. By 1987, the state was actively processing permits for multiple new facilities:

- 15 treatment facilities in progress,
- 3 commercial disposal facilities with permit applications in progress, and
- 30 facilities with permit applications in progress.

California's 1989 CAP determined that, even with newly permitted facilities, the state needed additional hazardous waste management capacity. This left generators of hazardous waste in a vulnerable position because they had little choice as to where to dispose of their waste. There was a need to build new facilities to increase competition in the hazardous waste management marketplace and to allow for additional reserve capacity for emergency use.

### *Legislative Efforts - Hazardous Waste Management Planning*

The 1989 CAP identified capacity shortfalls for several waste management categories but cited two key pieces of legislation as actions California was taking to address this gap:

- AB 2948 (Tanner) – County Hazardous Waste Management Plans
- AB 650 (Tanner) – State Hazardous Waste Management Plan

The county-led hazardous waste management planning effort, discussed earlier in this section, was seen as an opportunity for local and state governments to assess and accommodate current and future needs for facilities.

AB 650 required DTSC's predecessor (TSCP) to prepare a State Hazardous Waste Management Plan (State Plan) to coordinate and enhance the county plans to ensure statewide needs were met. The State Plan was required to be reviewed annually and to be revised every three years. The coordination the State Plan provided was seen as crucial to effective hazardous waste management planning, because local facility siting decisions may not adequately consider the needs of the state as a whole. The State Plan was intended to identify areas or regions where new capacity was needed and the types of facilities that should be sited and constructed. The State Plan was also to include a schedule of recommended actions for implementing the State Plan at the state, regional, and local levels.

The State Plan was drafted but was never completed, as only a few of the county plans it was to coordinate and enhance were ever approved.

## 1.2 Current State of Hazardous Waste Management in California

Over the past four decades, the number of permitted hazardous waste facilities in California has decreased. In 1980, more than 400 permitted hazardous waste management facilities were in operation, while currently there are fewer than 100. There are only two operating hazardous waste landfills in California, and a third is undergoing closure. Additionally, there are no commercial hazardous waste incinerators in California. In contrast, the number of hazardous waste generators in California has increased – nearly doubling in just the last decade, from approximately 55,000 generators in 2010 to approximately 94,500 in 2021.

Recent attention and legislation have focused, not on ensuring capacity, but on imposing additional laws and regulations on permitted hazardous waste facilities. Senate Bill 673 (2015) focused on developing additional permitting requirements and included more stringent consideration of a facility's compliance history. Another goal of SB 673 was to increase protection for vulnerable communities through additional permit criteria to address cumulative impacts<sup>7</sup> and to establish setback distances from locations like schools, day care centers, hospitals, and residences. While these are important regulations, as protection of our most vulnerable communities is paramount, their potential impact on the number of permitted hazardous waste facilities is an important consideration for the Plan to further examine.

In 2013, DTSC announced a goal to reduce by 50 percent the amount of hazardous waste disposed of in California landfills by 2025. This announcement coincided with the approval of the expansion of one of the state's two hazardous waste landfills. DTSC began to work in conjunction with stakeholders, including impacted communities and industries, to develop a strategy to achieve this goal. However, DTSC found it difficult to sustain the efforts without additional resources, so it sought a Budget Change Proposal (BCP).

The BCP was approved in 2015 and DTSC launched a two-year Community Protection and Hazardous Waste Reduction Initiative (CPHWRI) to develop, implement, and evaluate projects designed to reduce the amount of waste generated in California. The \$840,000 effort resulted in a 2017 CPHWRI report, which provided a starting point for the analysis of hazardous waste generation.<sup>8</sup> The report's analysis of waste streams generated in California led to recommendations for the prioritization of four streams for reduction – contaminated soil, organic solvent wastes, petroleum refinery wastes, and

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<sup>7</sup> Cumulative impacts are meant to consider the total burden – positive, neutral, or negative – from chemical and non-chemical stressors and their interactions that affect the health, well-being, and quality of life an individual, community, or population at a given point in time or over a period of time. U.S. EPA, External Review Draft Cumulative Impacts Recommendations for ORD Research, USEPA Office of Research and Development, January 2022

<sup>8</sup> California, Department of Toxic Substances Control, "Community Protection and Hazardous Waste Reduction Initiative." (November 2017).

lead-acid battery waste. The CPHWRI report also proposed the study of new technologies that could reduce these waste streams.

After the completion of the two-year CPHWRI, the state legislature began to more seriously consider various bills related to hazardous waste management planning and the formation of a board for its oversight. These efforts eventually led to the reforms identified in SB 158, which also formed the Board of Environmental Safety (BES). SB 158 also established the requirements for these Hazardous Waste Management Reports and future Hazardous Waste Management Plans.

### 1.3 Future Considerations for Hazardous Waste Management in California

The history described above identified common factors related to hazardous waste reduction, facility siting, land use, and zoning. Recent legislation has focused downstream on waste management facilities and the regulation of additional waste streams. However, additional attention could be given upstream, on matters like incentives to facilitate moving away from the use of toxic materials, educating generators on how more on-site treatment or recycling can occur, a review of whether adopting some federal exclusions can safely allow some wastes to be managed differently than full hazardous waste management requirement and encourage technical support for waste reduction technologies.

In the past, DTSC had a greater focus on upstream hazardous waste management issues, with waste reduction programs and a Pollution Prevention Program. However, those programs have been disbanded or their funding reallocated. Currently, DTSC's Safer Consumer Products (SCP) Program looks upstream to promote the use of safe chemicals in consumer products, but its focus is largely outside of hazardous waste generation and management. DTSC's shift from hazardous waste reduction to the promotion of safer chemicals created a gap in the Hazardous Waste Management Program because it removed the Department's waste reduction tools. More significantly, institutional knowledge and expertise regarding manufacturing waste streams has been lost through attrition or staff assigned to other programs throughout DTSC.

The previous waste reduction efforts were discontinued because they did not produce reductions large enough to be seen as effective. However, these programs did serve a purpose and should be considered an important part of any waste management program. Developing a robust and strategic approach to waste reduction would require additional resources but should be considered. Waste reduction and recycling expertise will be especially crucial to DTSC's ability to adequately manage and reduce growing waste streams like lithium-ion batteries and photovoltaic modules. Waste reduction expertise will also be important to explore potential waste reduction opportunities for the largest waste stream through on-site treatment of contaminated soil.

Even if California succeeds at reducing the amount of waste generated, the state must still manage the hazardous waste that exists today and will continue to exist in the future. If California is to manage its own hazardous waste, it will need new facilities, and

new types of facilities. This is especially true as California seeks to transition from a traditional, linear economy to a circular economy.

In a linear economy, waste products are commonly disposed of in landfills, while in a circular economy, they are recycled back into the production process. A circular economy has benefits and challenges. While fewer raw materials are needed and less hazardous waste goes to landfills, facilities that manage hazardous waste must adapt in order to return recoverable waste back into production processes. If those required adaptations result in an onerous approval process, California will be forced to rely on other states to manage its hazardous waste, regardless of the type of economy – linear or circular.

One element of future evaluations will be an examination of California's hazardous waste criteria. This subject is discussed extensively in Section 8 of this Report. This Hazardous Waste Management Report and the subsequent Hazardous Waste Management Plan provide an opportunity for public discourse as we re-evaluate California's management of hazardous waste.

## 1.4 Report Organization

In accordance with California HSC § 25135(b), this report includes an analysis of available data related to hazardous waste generation, transportation, treatment, storage, and disposal.

This report is organized in the following manner:

- Section 1 – Introduction and overview of the Hazardous Waste Management Report and Plan.
- Section 2 – Discussion of the generation of hazardous waste from various sources, ranging from industrial manufacturing to household hazardous wastes.
- Section 3 – Discussion of where California's hazardous wastes are stored, treated, recycled, or disposed of, both in- and out-of-state
- Section 4 – Discussion of destination facilities and areas surrounding these facilities.
- Section 5 – Discussion of the off-site transportation of hazardous waste by air, rail, highway, or water.
- Section 6 – Overview of national and international pollution prevention programs.
- Section 7 – Analysis of the use of fees and their ability to influence or encourage reduction in the generation of hazardous wastes.
- Section 8 – Analysis of the criteria used to identify wastes as hazardous under state law.
- Section 9 – Discussion of next steps and additional research.



Each section includes an analysis of the various relevant hazardous waste streams, data in the form of figures or maps, and identification of data gaps where information is not readily available.

## 2. Generation of Hazardous Waste

This Report divides California's hazardous waste generation into three main categories:

- Waste Treated On Site and Recycled On Site
- Manifested Hazardous Waste
- Unmanifested Hazardous Waste

Historically, the primary focus of analysis has been on manifested hazardous waste streams. However, this Report also incorporates available information on unmanifested waste, which is hazardous waste that is not required to be tracked by a manifest. This includes, but is not limited to, a large quantity of waste that is treated on site, recycled on site, or managed under alternative management requirements.

In accordance with Health and Safety Code (HSC) section (§) 25135(b)(1), this section includes available information and discussion about hazardous waste streams currently being generated, historically generated, and expected to be generated in California. In addition, this section presents information for the following elements:

- The county in which each hazardous waste stream is generated.
- The destination to which each hazardous waste stream is shipped.
- The amount of hazardous waste disposed to land in California and other states.
- The amount of hazardous waste treated within the state and other states.
- The amount of hazardous waste regulated under the federal Resource Conservation and Recovery Act (RCRA).
- The amount of hazardous waste regulated only in California.
- An estimate of the types and volumes of hazardous wastes generated but not required to be manifested.

Numerous sources were used to compile the required information and are discussed in the relevant subsections below.

### 2.1 Defining Hazardous Waste

Hazardous waste is a waste with properties that make it potentially dangerous or harmful to human health or the environment. The universe of hazardous wastes is large and diverse. Not all hazardous wastes are equal, and they have various potential impacts to human health and the environment based on how they interact with humans and the environment. Hazardous wastes can be liquids, solids, or contained gases. They can be the wastes generated from manufacturing processes, discarded used materials, or discarded unused commercial products, such as cleaning fluids (solvents)

or pesticides. Hazardous waste can be discarded products collected from households or soil from construction projects or remediation projects.

Both nationally and in California, it is the responsibility of the individual generating the waste to determine whether it meets the criteria of hazardous waste as defined in federal and state regulations. Therefore, the generator's knowledge and expertise of the waste they generate is critical to characterizing waste and making accurate waste determinations. Hazardous waste is defined in California Code of Regulations (Cal. Code Regs.), title 22 (tit. 22), § 66261.3. Hazardous waste is classified as either being subject to RCRA, found in 40 Code of Federal Regulations (CFR), or subject to HSC and Cal. Code Regs., tit. 22.

### **Listed Hazardous Waste**

In California, there are five types of wastes organized into five lists – F-list, K-list, P-list, U-list, and M-list.

The F-list identifies wastes from many common manufacturing and industrial processes, such as solvents that have been used for cleaning or degreasing. Since the processes producing these wastes occur in many different industry sectors, F-listed wastes are referred to as wastes from non-specific sources. Non-specific means they do not come from one specific industry or one specific industrial or manufacturing process. The F-list appears in the hazardous waste regulations in 22 CCR section 66261.31.

The K-list includes certain wastes from specific industries, such as petroleum refining or pesticide manufacturing. Examples of source-specific wastes include certain sludges and wastewaters from treatment and production processes in these specific industries. The K-list appears in the hazardous waste regulations in 22 CCR section 66261.32.

P-list and U-list include specific commercial chemical products that have not been used but will be, or have been, discarded. Industrial chemicals, pesticides, and pharmaceuticals are examples of commercial chemical products that appear on these lists and become hazardous waste when discarded. P-listed waste identifies acutely hazardous wastes that are known to be harmful even in smaller quantities. The P-list and U-list appear in the hazardous waste regulations in 22 CCR sections 66261.33(e) and (f).

The M-list, found in 22 CCR section 66261.50, includes the following wastes containing mercury (Hg):

- M001: Mercury light switches in motor vehicles and salvaged vehicles that contain such switches prior to crushing, baling, shredding, or shearing.
- M002: Other mercury switches in products, including appliances.
- M003: Mercury-containing lamps and products with lamps, except liquid-crystal displays (LCDs) with mercury backlighting.
- M004: Mercury-added novelties.

## **Characteristic Hazardous Wastes**

Wastes are considered hazardous if they exhibit any of the four characteristics of a hazardous waste as defined in 22 CCR sections 66261.21 through 66261.24 – ignitability, corrosivity, reactivity, and toxicity.

Ignitable wastes can create fires under certain conditions, undergo spontaneous combustion, or have a flash point of less than 60°C (140°F). Used solvents are an example of ignitable waste. The characteristic of ignitability is defined in 22 CCR section 66261.21.

Corrosive wastes can include solids and liquids and are strong acids or bases or wastes that produce acidic or alkaline solutions. Wastes are considered corrosive when they have a pH less than or equal to 2.0 or greater than or equal to 12.5. A waste may be corrosive if it is able to corrode metal containers, such as storage tanks, drums, and barrels. The characteristic of corrosivity is defined in 22 CCR section 66261.22.

Reactive wastes are unstable under normal conditions.<sup>9</sup> They can cause explosions or release toxic fumes, gases, or vapors when heated, compressed, or mixed with water. Examples include lithium-sulfur batteries and unused explosives. The characteristic of reactivity is defined in 22 CCR section 66261.23.

Toxic wastes are harmful or fatal when ingested or absorbed (e.g., wastes containing mercury, lead, DDT, PCBs, etc.). When toxic wastes are improperly disposed of, the toxic constituents may leach from the waste and pollute groundwater. The characteristic of toxicity is defined in 22 CCR section 66261.24.

## **Used Oil**

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<sup>9</sup> Normal conditions refer to standard set of conditions established at standard temperature and pressure (STP). The most used standards are those of the International Union of Pure and Applied Chemistry (IUPAC) and the National Institute of Standards and Technology (NIST). NIST defines STP as absolute pressure of 1 atm (101.325 kPa, 14.696 psi) and 20 degrees Celsius (293.15 degrees Kelvin, 68 degrees Fahrenheit).

In California, waste oil and materials that contain or are contaminated with waste oil are usually regulated as hazardous wastes if they meet the definition of used oil in HSC § 25250.1:

“Any oil that has been refined from crude oil, or any synthetic oil, that has been used and, as a result of use, or as a consequence of extended storage or spillage, has been contaminated with physical or chemical impurities.”

Used oil is regulated under RCRA but not as a hazardous waste.<sup>10</sup> In other words, this waste stream is regulated as a hazardous waste in California but not under RCRA, the federal hazardous waste program.

## 2.2 Waste Treated On Site and Recycled On or Off Site

Health and Safety Code § 25135(b)(1)(G)(i)(ii) requires an estimate of the types and volumes of hazardous waste that are treated on site and recycled on or off site. The California Environmental Reporting System (CERS) contains information about specific facilities that treat hazardous waste on site and facilities that recycle on or off site. However, the design of the current CERS database does not make it possible to efficiently estimate the types and volumes of hazardous waste treated on site or recycled on site. Therefore, DTSC is gathering this data manually.<sup>11</sup>

Through this data gathering, DTSC has identified generators that treat hazardous waste on site or that report recycling on site in approximately 40 (70%) of California's 58 counties. This includes more than 500 (28%) of the potential 1,950 generators that conduct these activities. DTSC estimates that this 28% of generators may represent more than 2.7 billion gallons of waste which equates to an estimated 11 million tons of waste. Among the processes used to treat or recycle waste include are the distillation of solvents, neutralization of acidic or basic wastewaters, separation of oily materials for return to refinery processes, and treatment of cyanide wastewaters at plating facilities. CalEPA is currently updating CERS in a project known as CERS NextGen. The Department plans to work with CalEPA to see if this data can be more readily retrievable. The Waste Treated On Site, Waste Recycled On Site, and CERS NextGen sections below discuss these topics in more detail.

Other databases, such as U.S. EPA's Toxic Release Inventory, may include similar information but have not yet been explored.

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<sup>10</sup> Under RCRA, used oil is regulated under its own regulatory provisions found in 40 CFR Part 279 and not as hazardous waste found in 40 CFR 260.

<sup>11</sup> The quantity of waste that each entity is allowed to treat on site and the amount a facility reports that it recycles on site is recorded.

## 2.2.1 Waste Treated On Site

Hazardous waste treatment is “any method, technique, or process which changes or is designed to change the physical, chemical, or biological character or composition of any hazardous waste or any material contained therein or removes or reduces its harmful properties or characteristics for any purpose including, but not limited to, energy recovery, material recovery or reduction in volume.”<sup>12</sup>

U.S. EPA allows generators to treat their waste on site in tanks or containers without a permit if they meet certain requirements. However, California requires any person who treats hazardous waste to obtain a hazardous waste facility permit or other grant of authorization.

California has a five-tier permitting program depending on the complexity of the facility and the extent of any treatment performed. The five tiers are:

- Full RCRA Permit
- Standardized Permit Tier<sup>13</sup>
- Permit by Rule (PBR) Tier<sup>14</sup>
- Conditional Authorization Tier<sup>15</sup>
- Conditional Exemption Tier<sup>16</sup>, which includes four subcategories:
  - Conditionally Exempt Small Quantity Treatment (CESQT)<sup>17</sup>
  - Conditionally Exempt Specified Waste Stream (CESW)<sup>18</sup>
  - Conditionally Exempt – Limited (CEL)<sup>19</sup>
  - Conditionally Exempt Commercial Laundries (CECL)<sup>20</sup>

The full RCRA permit applies to off site treatment, storage, and disposal of RCRA and some non-RCRA waste.

The standardized permit tier applies to treatment and storage facilities that do not require a full RCRA permit,<sup>21</sup> such as an off-site facility that manages non-RCRA hazardous waste in a tank or container.

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<sup>12</sup> Cal. Code Regs., tit. 22, § 66260.10

<sup>13</sup> HSC § 25201.6

<sup>14</sup> Cal. Code Regs., tit. 22, § 67450.1 through § 67450.13

<sup>15</sup> HSC § 25200.3

<sup>16</sup> HSC § 25201.5

<sup>17</sup> HSC § 25201.5(a)

<sup>18</sup> HSC § 25201.5(c)

<sup>19</sup> HSC § 25201.14

<sup>20</sup> HSC § 25144.6(c)

<sup>21</sup> HSC § 25201.6

The PBR tier, conditional authorization tier, and conditional exemption tier allow for on-site treatment of hazardous wastes that are classified as non-RCRA and RCRA-exempt and only if those wastes are generated on site and treated on site. RCRA- exempt wastes are those wastes where EPA would not require a permit to treat. Facilities that treat hazardous waste under these tiers are required to notify their local Certified Unified Program Agency, or CUPA. CUPAs are local agencies certified by CalEPA to implement and enforce six hazardous waste and hazardous materials regulatory management programs.<sup>22</sup>

The programs that the CUPAs implement are:

- Aboveground Petroleum Storage Act (APSA) Program
- California Accidental Release Prevention (CalARP) Program
- Hazardous Materials Business Plan (HMBP) Program including the Area Plan
- Hazardous Material Management Plan (HMMP) and Hazardous Material Inventory Statements (HMIS) (California Fire Code)
- Hazardous Waste Generator and Onsite Hazardous Waste Treatment (tiered permitting) Programs
- Underground Storage Tank Program

The PBR tier applies to onsite treatment of non-RCRA and exempt RCRA hazardous wastes that pose multiple hazards and at higher volume than the conditional authorization and conditional exemption tiers.

The conditional authorization tier applies to single-hazard wastes. Each treatment unit can treat no more than 5,000 gallons or 45,000 pounds in a calendar month.<sup>23</sup>

The CESQT subcategory is for generators that treat no more than 500 pounds, or no more than 55 gallons, of hazardous waste in any calendar month.

The following waste streams are eligible for on-site treatment:<sup>24</sup>

- Aqueous wastes with Chromium VI
- Aqueous wastes with metals

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<sup>22</sup> “What Is a CUPA?” *What Is a CUPA?*, California CUPA Forum, [Website Link](#).

<sup>23</sup> Department of Toxic Substances Control, and California Community Colleges. “Module V: Hazardous Waste Treatment: Tiered Permitting.” *California Compliance School Hazardous Waste Generator Training Student Workbook*, 2019th ed., 2019, pp. 190–193.

<sup>24</sup> [On Site Tiered Permitting Flowchart](#)

- Aqueous wastes with organic compounds listed in Cal. Code Regs., tit. 22, § 66261.24(a)(1)(B) or (a)(2)(B)
- Aqueous wastes with organic compounds not listed and containing less than 10% total organic carbon and less than 1% volatile organic compounds
- Wastewater treatment sludges, solid metal objects, metal workings containing or contaminated with metals and dusts containing less than 750 parts per million (ppm) metal
- Sludges (wastewater treatment and other types), solid metal objects, dusts, metal workings containing or contaminated with metals
- Alum, gypsum, lime, sulfur, or phosphate sludges
- Waste listed in Cal. Code Regs., tit. 22, § 66261.120 which meet the criteria and requirements for special waste classification
- Special wastes
- Inorganic acid or alkaline wastes
- Corrosive waste from the regeneration of ion exchange residues used to demineralize water
- Acid/alkaline wastes corrosive due to presence of food products and generated by standard industrial code (SIC) group 20<sup>25</sup> <sup>26</sup>
- Acid/alkaline wastes from specified labs
- Acid/alkaline wastes from biotechnology
- Soils contaminated with metals
- Used oil, unrefined oil waste, mixed oil
- Oil mixed with water, oil/water separation sludge
- Used oil mixed with water
- Containers 119 gallons or less in capacity
- Aerosol cans
- Resins
- Photographic waste
- Dry cleaning wastes hazardous solely due to perchloroethylene (PCE)
- Commercial laundry facilities
- QA labs<sup>27</sup>
- QC labs<sup>28</sup>
- Wastestream/technology combination certified by DTSC
- Technology certified by DTSC

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<sup>25</sup> SIC Group 20 is the Food and Kindred Products group and includes “establishments manufacturing or processing foods and beverages for human consumption”.

<sup>26</sup> [Major Group 20: Food And Kindred Products](#)

<sup>27</sup> Quality assurance

<sup>28</sup> Quality control



- Consolidation from remote sites
- Cyanide treatment
- Household Hazardous Waste (HHW)

### 2.2.1.1 Limitations on Data for Waste Treated On Site

The California Environmental Reporting System (CERS) contains information about specific facilities that treat hazardous waste on site. Facilities submit information on the waste type, quantity, and treatment type for each hazardous waste treated on site. Facilities may submit more than one element; that is, one facility can submit four PBR-tier wastes and one CESW-tier waste, for example. The current CERS system does not have detailed reports available that include all information required by HSC § 25135(b)(1)(G)(i). However, it is possible to produce summary reports.

These summary reports include data gaps, such as the quantity, waste type, or type of treatment each facility performs. To determine a facility's permit type, waste type, allowable quantity, and treatment type, one must access each facility individually on the CERS website. In addition, each facility describes the specific waste type and the treatment process in narrative form, and the names and waste types in the narrative do not match the RCRA/non-RCRA code system used in the Hazardous Waste Tracking System (HWTS).

An additional data gap with the CERS system is that it does not include the actual amount of waste treated on site, instead listing only the amount allowed to be treated per month.

To fulfill the requirements of HSC § 25135(b)(1)(G)(i), DTSC consulted with the CalEPA CERS team to troubleshoot solutions for efficiently accessing information about waste treated on site. One potential solution discussed was to use an existing database management system to access facility information instead of the CERS database. However, this would still require manually adding the information to a spreadsheet to find total quantities of waste treated and treatment types.

A second solution discussed was for the CERS team to produce an "ad hoc" report on facilities that treat hazardous waste on site. The report would include facility name, EPA ID, permit type, hazardous waste type, treatment method, quantity treated, and reporting dates. However, the CERS team was not able to provide this report.

A third option explored involved reviewing the CalEPA Regulated Site Portal for information pertaining to facilities that treat waste on site. The portal contained 1,240 sites that identified as on-site hazardous waste treatment facilities as of July 2022.

These 1,240 sites can be filtered by county. However, this only provides the number of facilities that identify as on-site treatment facilities and does not give a total quantity of waste treated on site.

One alternative to accessing databases on an as-needed basis would be to request information from CUPAs on an annual basis. A survey that includes waste types and amounts on a local level would provide some insight into the types and amounts of waste treated on site statewide. However, CUPAs already have an extensive workload and may be unable to take on additional tasks. Therefore, potential downsides to this method would be lack of response to the survey or late survey results, which could result in data gaps. In addition, a new database would be needed to track responses.

As noted above, CalEPA is working on a CERS NextGen project that may enable easier reporting of certain information for CERS users. CalEPA has involved the regulatory agencies that have data in CERS, including DTSC's Enforcement staff, to participate in this project. The Hazardous Waste Management Plan team provided the CERS team with a list of suggestions, including efficient access to the following: facilities that treat waste on site; business name; EPA ID; permit type; waste type; treatment type; quantity of waste, including the amount allowed and the amount actually treated; and reporting dates. The CERS NextGen project is projected to be completed in 2025.

### 2.2.2 Waste Recycled On Site or Off Site

Recyclable material is "a hazardous waste that is capable of being recycled, including, but not limited to, any of the following:

- (a) A residue
- (b) A spent material, including, but not limited to, a used or spent stripping or plating solution or etchant
- (c) A material that is contaminated to such an extent that it can no longer be used for the purpose for which it was originally purchased or manufactured
- (d) A byproduct listed in Cal. Code Regs., tit. 22, § 66261.31 or § 66261.32
- (e) Any retrograde material that has not been used, distributed, or reclaimable through treatment by the original manufacturer or owner by the later of the following dates:
  - a. One year after the date when the material became a retrograde material
  - b. One year after the material has been returned to the original manufacturer<sup>29</sup>

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<sup>29</sup> Cal. Code Regs., tit. 22, § 66260.10

A recycled material is conditionally excluded from the definition of a hazardous waste. HSC § 25143.2 states that a “recycled material that is managed in accordance with HSC § 25143.9 and is or will be recycled by any of the following methods shall be excluded from classification as a waste:

- (a) Used or reused as an ingredient in an industrial process to make a product if the material is not being reclaimed<sup>30</sup>
- (b) Used or reused as a safe and effective substitute for commercial products if the material is not being reclaimed
- (c) Returned to the original process from which the material was generated, without first being reclaimed, if the material is returned as a substitute for raw material feedstock, and the process uses raw materials as principal feedstocks

### 2.2.2.1 Limitations of Waste Recycled On Site or Off Site Data

Information on facilities that recycle on site and off site can be found in reports each business submits to CERS. These recyclable materials reports (RMRs) contain information for a two-year reporting period, including the business name, EPA ID, material recycled on or off site, and quantity recycled on site. Businesses fill out RMRs either by hand or typing and submit them in portable document format (PDF) into the CERS database.<sup>31</sup>

A significant issue related to RMRs is whether the information reported is an accurate reflection of legitimate recycling. Recycling of hazardous waste is allowed through exclusions or exemptions,<sup>32</sup> which are conditional and self-implementing. Generators that recycle waste on site or off site are required to identify which exclusion or exemption applies to the activity they are conducting, pursuant to California Health and Safety Code 25143.2. However, DTSC has not reviewed all RMRs to determine whether recycling exclusions and exemptions are correctly applied in all cases or how frequently there are errors. Further, the activities of generators and the information they report in RMRs falls under the purview of CUPAs.

Retrieving the information in RMRs is a cumbersome process that does not always yield the necessary results. As of June 2022, the only way to retrieve information is to download the RMR associated with each business from the CERS website. To do this,

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<sup>30</sup> Cal. Code Regs., tit. 22, § 66260.10: A material that is processed to recover a usable product, or that is regenerated

<sup>31</sup> “UPCF Recyclable Materials Report.” UPFC, 1999. A blank RMR report is available [here](#)

<sup>32</sup> Generally, an “excluded” material is a material that is excluded from classification as a waste. Therefore, it is not subject to most hazardous waste management requirements. An exempted material is a material that remains a waste but is exempted from certain hazardous waste management requirements. RCRA includes a total of 44 exclusions and exemptions. However, California only has eight operative exclusions and exemptions as California’s program is more stringent.

one must first select each facility's identification number, open the facility summary page, find the "Submittals" section, which lists several categories of submittals, and then select "Recyclable Materials Reports." There, the RMR for a single facility is available as a downloadable file, but it can be large and unwieldy. A facility can recycle multiple materials on site, and each material must have its own page in the RMR. In addition, parts of the RMR are narrative. The narrative nature of the information in the RMR makes it difficult to identify and quantify the different types hazardous wastes that are recycled.

To fulfill the requirements of HSC § 25135(b)(1)(G)(ii), DTSC consulted with the CERS team to troubleshoot solutions for accessing RMR reports in an efficient manner. One potential solution discussed was to use a SQL Server to access every RMR without the need to download each PDF. However, this would still require manually adding the information to a spreadsheet to find total quantities of material, types of material, and the recycling process used.

A second solution discussed was for the CERS team to produce an ad hoc report detailing facilities that submit RMRs. The report would include facility name, EPA ID, permit type, material type, recycling method, quantity recycled, and reporting dates. DTSC is still working with the CERS team on solutions to fulfill the recycled on site requirements of HSC § 25135. In the meantime, DTSC has begun compiling on-site recycling data on a county-by-county basis, but this work will not be complete for this draft of the Report.

As noted above, CalEPA's CERS team is working on a CERS NextGen project that would enable easier reporting of certain information to stakeholders. DTSC provided the CERS team a suggested list of items that would fulfill the recycled on site requirements of HSC § 25135.

### 2.3 Manifest System and Data Sources

DTSC's Hazardous Waste Tracking System (HWTS), which uses data from hazardous waste manifests, is the primary source of information used for manifested hazardous waste in this Report. Generators of hazardous waste are required to begin a manifest when shipping waste off site.<sup>33</sup> They must include information about the waste, such as the quantity, the type of container used to transport it, and waste codes.<sup>34</sup> Hazardous

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<sup>33</sup> Cal. Code Regs., tit. 22, § 66262.20

<sup>34</sup> Cal. Code Regs., tit. 22, § 66262.23

waste transporters<sup>35</sup> and destination facilities<sup>36</sup> are also required to complete portions of the manifest.

When completed, the manifest includes information on the hazardous waste type, the quantity of waste being transported, instructions for handling the waste, and signature lines for all parties involved. Each party that handles the waste signs the manifest and retains its own copy. Once the waste reaches the destination, the receiving facility returns a signed copy of the manifest to the generator, confirming that the waste was received by the designated facility. In this way, each load of hazardous waste is tracked from its generation to its end point.

Prior to 2018, manifests were completed on paper forms instead of the electronic manifest system now available. Today, generators still have the option of completing a manifest with paper or using the electronic system.

Information from each manifest is entered into the U.S. EPA's tracking database (RCRAInfo) every day, and DTSC then downloads that information into HWTS. Between 440,000 and 610,000 hazardous waste manifests have been generated annually in California since 2010 (Appendix B).

Data within HWTS contains hazardous waste manifest information from 1993 to present. A review of the underlying data, conducted in preparation for this Report, has revealed errors that appear to have resulted in an overcount of the quantity of waste reported in the HWTS. Approximately 2,180 manifests appeared to include some kind of error, which has resulted in an overcount of 9,246,300 tons of hazardous waste since 2010.

Generally, these errors were due to administrative issues on the manifests (e.g., incorrect units, misplaced decimals, incorrect coding, etc.), and a list of the errors found has been sent to DTSC's HWTS group. The DTSC HWTS group will correct errors over time through a manifest correction process, in coordination with U.S. EPA.

To ensure more accurate information in this Report, a formulaic data adjustment method has been used to reduce the effects of these errors. A full discussion of the data adjustment methodology is included in Appendix B.

As data corrections are applied to manifests with errors within HWTS, the frequency of data adjustments will be minimized. This Report incorporates adjusted HWTS data from 2010 to May 2022. The HWPlan unit is working to incorporate adjusted HWTS data

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<sup>35</sup> Cal. Code Regs., tit. 22, § 66263.20

<sup>36</sup> Cal. Code Regs., tit. 22, § 66264.71

from 1993 to present for future analysis, but this information is unavailable for this Report.<sup>37</sup>

### 2.3.1 Identification of Manifested Hazardous Waste Streams

As California is authorized by U.S. EPA to implement the federal (RCRA) hazardous waste program, California regulates both RCRA hazardous wastes and non-RCRA hazardous wastes (those wastes identified as hazardous in California). Both federal and state regulations are used to make these determinations. Two sets of waste classification regulations are used in California to determine whether a material is a hazardous waste: federal and state.

Federal hazardous waste laws were enacted in 1976 by RCRA and the first regulations that established the hazardous waste management system were enacted in 1980. These regulations are found in title 40 CFR, Parts 260 – 273.

California hazardous waste laws were enacted in 1972 and are now included in HSC, Division 20, Chapter 6.5 (Hazardous Waste Control Law). Regulations adopted from the HSC are found in California Code of Regulations, division 4.5, title 22.

In California, as in all states, it is the responsibility of waste generators to determine whether the waste they generate is considered a hazardous waste.<sup>38</sup> In this system, a hazardous waste is determined to be hazardous based on federal requirements (RCRA) or state requirements (non-RCRA). RCRA wastes and some non-RCRA wastes are required to be tracked from the point of generation (“cradle”) to the point of disposal (“grave”).

The hazardous waste manifest system is the tracking method used to track RCRA hazardous wastes and some non-RCRA hazardous wastes. The Uniform Hazardous Waste Manifest (manifest) is the shipping document that travels with hazardous waste from the point of generation, through transportation, to the final treatment, storage, and disposal facility (TSDF). As such, information regarding hazardous waste streams is presented in two main subsections below: manifested waste and unmanifested waste.

### 2.3.2 Manifested Hazardous Waste Generation

The Federal program, RCRA, defines specific solid wastes as hazardous because they are either listed or exhibit a hazardous waste characteristic. These hazardous wastes are referred to as RCRA hazardous wastes. California’s hazardous waste program is more stringent and broader in scope than U.S. EPA’s. As a result, California regulates

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<sup>37</sup> The date range was based on available computer processing capabilities.

<sup>38</sup> Cal. Code Regs., tit. 22, § 66261.3

more wastes as hazardous than U.S. EPA. Wastes that are considered hazardous in California but not by U.S. EPA are referred to as non-RCRA hazardous wastes.

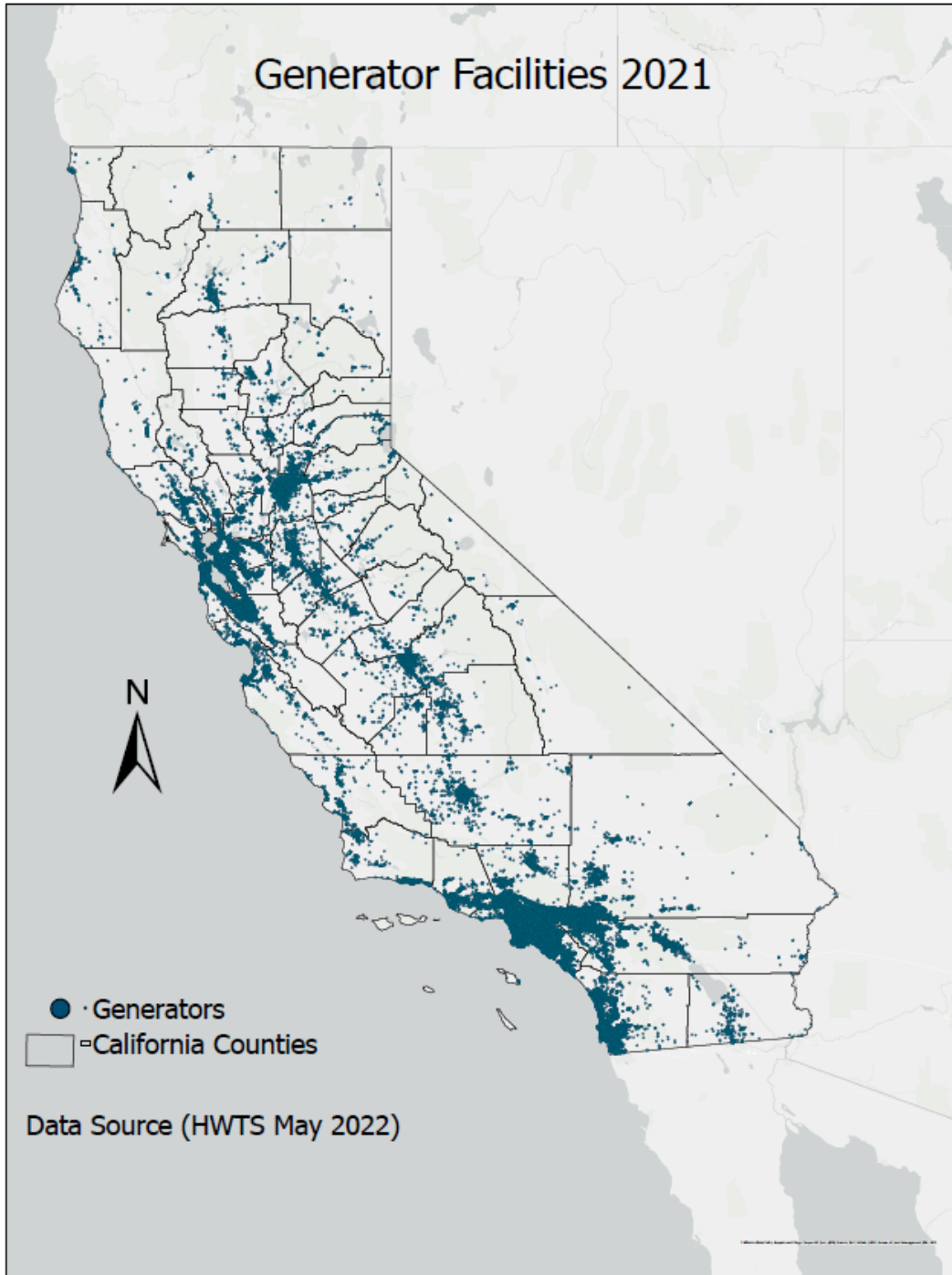
Cal. Code Regs., tit. 22, § 66260.10 defines a Hazardous Waste Generator as “any person, by site, whose act or process produces hazardous waste... or whose act first causes a hazardous waste to become subject to regulation.” California issues EPA or state identification numbers to both a facility’s location and owner.<sup>39</sup> Since 2010, more than 500,000 generators have shipped manifested hazardous waste in California.<sup>40</sup> A map of all the hazardous waste generators that shipped manifested hazardous waste in 2021 is shown in Figure 2.3-1. The number of generators in California appears to have almost doubled from 2010 to 2021, from approximately 55,000 to approximately 94,500<sup>41</sup>. This trend can be seen in Figure 2.3-2.

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<sup>39</sup> This Report utilizes distinct EPA IDs located on manifests that were included in HWTS. The number of generators may be an overestimation because numbers are issued to either a location or an owner. This results in double counting of some facilities. The extent of the overestimation is not available for this report.

<sup>40</sup> Future analysis to include industry classification information like that from the North American Industry Classification System.

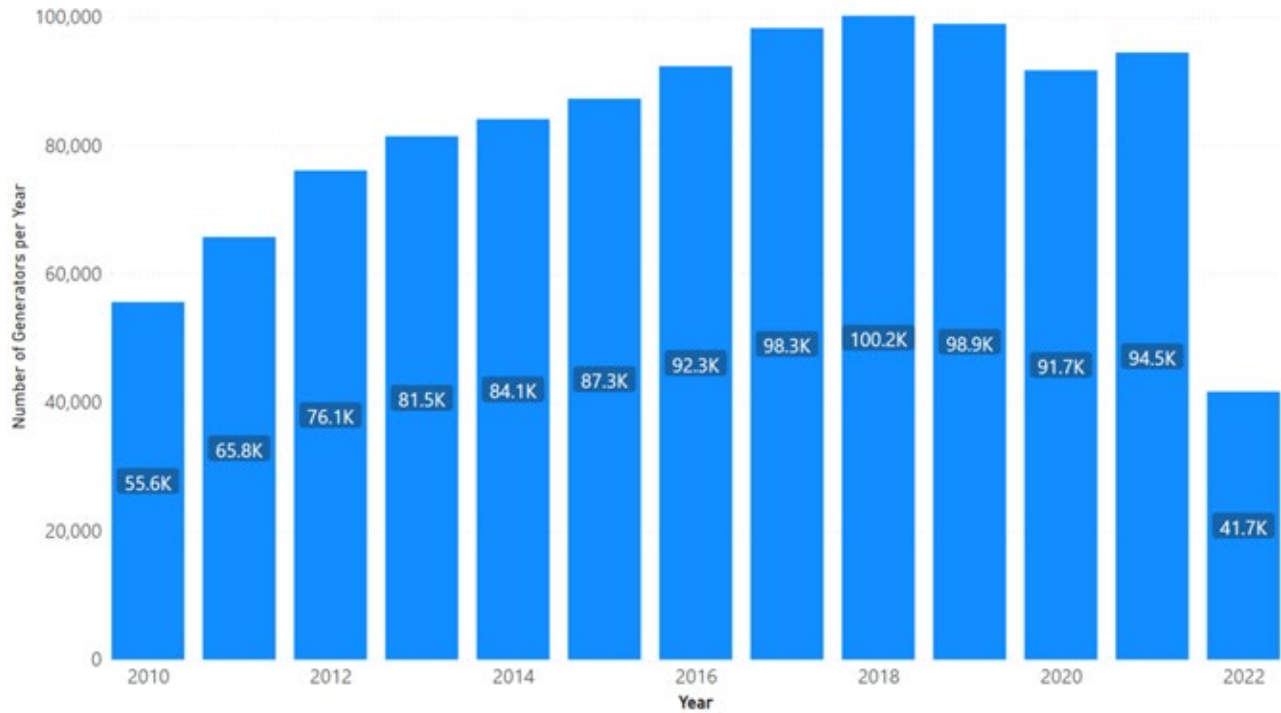
<sup>41</sup> Reflects number of generators based on unique EPA ID numbers as included in HWTS. This value does not include the number of generators based on unique EPA ID numbers as included in the California Environmental Reporting System which may be different. It also does not include additional generators that would be found in the Transporter Quarterly Report.



*Figure 2.3-1: California's 2021 Generators, January to December 2021*

Note: Data sourced from Hazardous Waste Tracking System and accessed in May 2022.

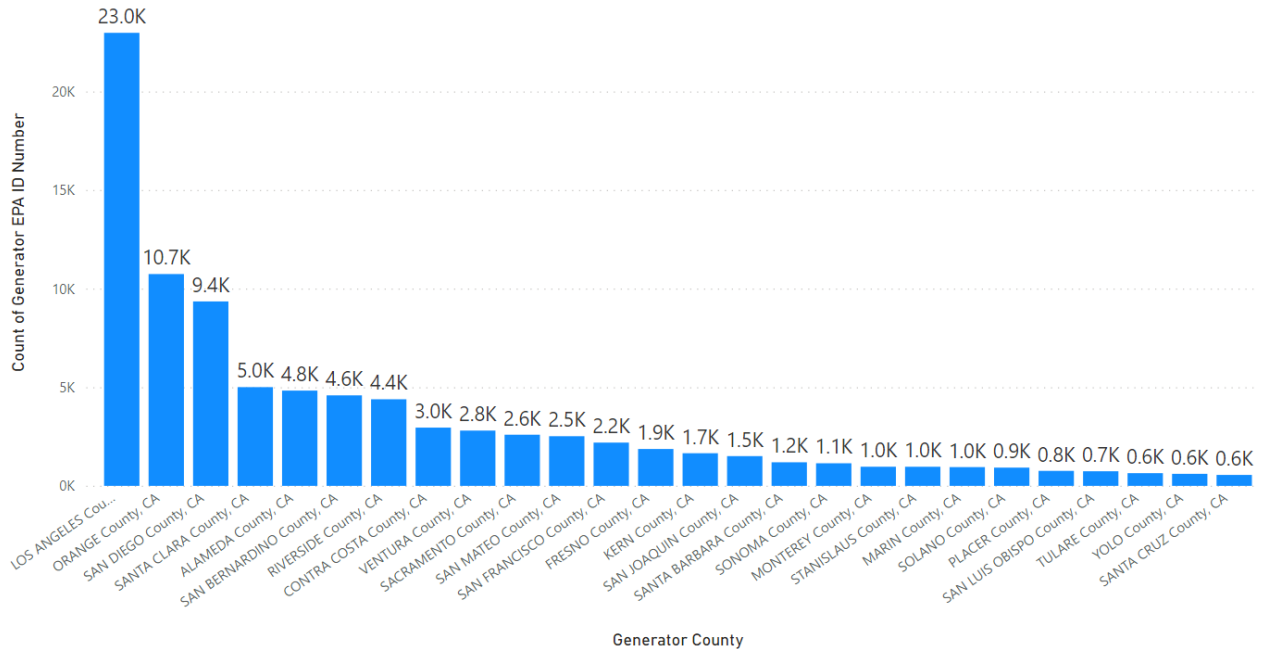




*Figure 2.3-2: Hazardous Waste Generators per Year*

*Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.*

Hazardous waste generators are not spread equally throughout California. Counties with larger populations generally have more hazardous waste generators than smaller, less populated counties. Los Angeles County has the most hazardous waste generators by far, with almost 23,000. Figure 2.3-3 shows the number of hazardous waste generators per county in 2021.



**Figure 2.3-3: Hazardous Waste Generators per County, 2021**

*Note: Data is for all counties that had more than 500 generators in 2021. Data sourced from Hazardous Waste Tracking System and accessed in May 2022.*

Since 2010, California generators have generated 21.0 million tons of manifested hazardous waste. Annual quantities have ranged from approximately 1.41 million tons to 1.98 million tons. Preliminary review of generation trends prior to 2010 indicates a decreasing trend in overall generation since 2000. This aligns with the trends seen in overall hazardous waste generation from the Community Protection and Hazardous Waste Reduction Initiative.<sup>42</sup> Figure 2.34 shows California’s manifested hazardous waste generation annually since January 2010.

<sup>42</sup> A detailed analysis of data from 2000 to 2010 has not been completed. The HWPlan unit is working to fully incorporate additional data into the data set for analysis. The prior Community Protection Hazardous Waste Reduction Initiative quantified overall generation from 1995 through 2015 and showed a decrease in the total quantity of hazardous waste generated during that time period.

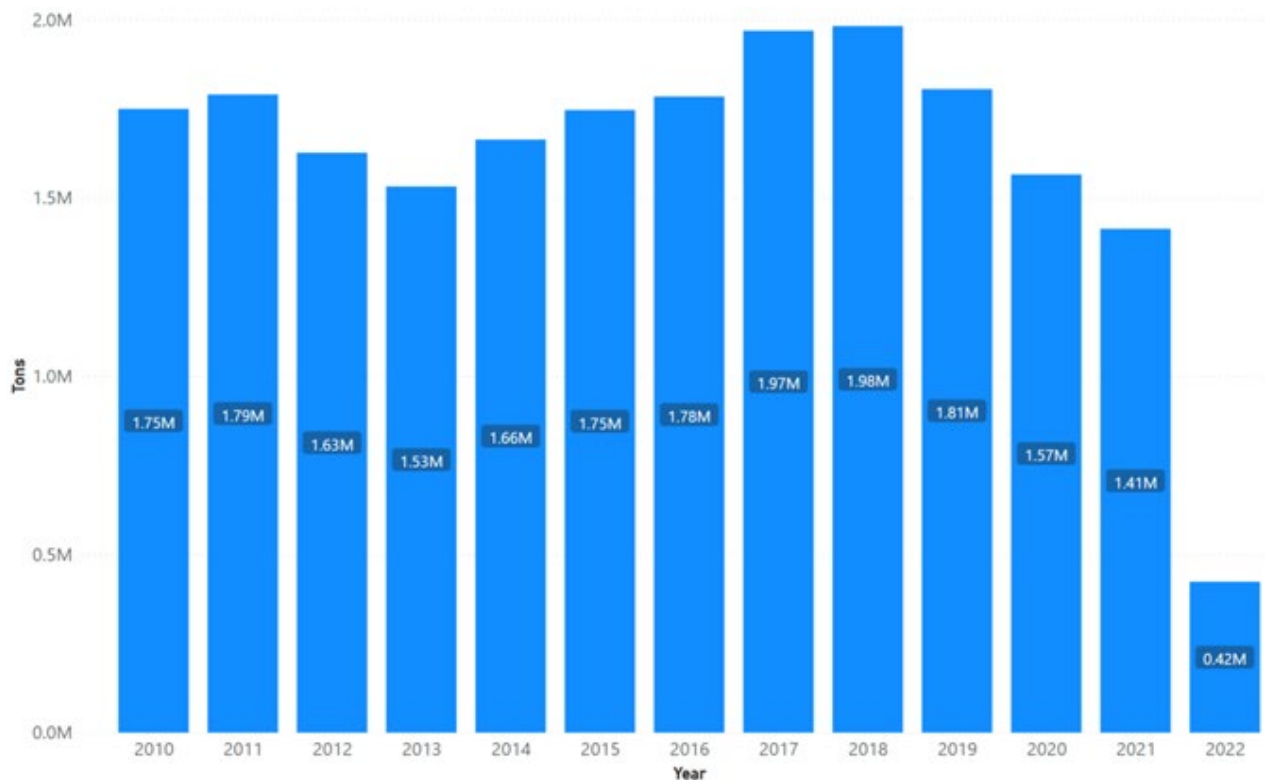


Figure 2.3-4: Annual Manifested Hazardous Waste Generation (January 2010 to May 2022)

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

### 2.3.3 RCRA and non-RCRA Hazardous Waste

Under Subtitle C of RCRA, U.S. EPA defines hazardous waste using two mechanisms: by listing certain wastes as hazardous (Listed Hazardous Wastes), and by identifying the properties or characteristics that make a waste hazardous (Characteristic Hazardous Wastes).<sup>43</sup>

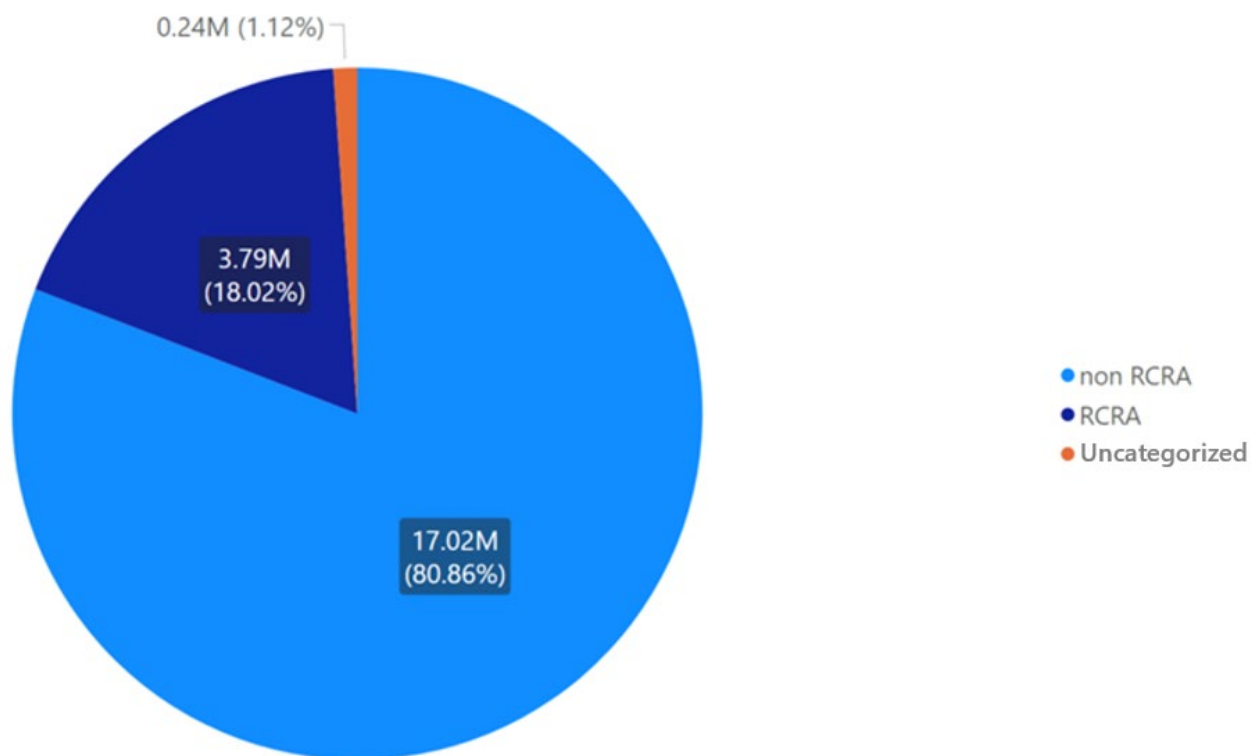
California’s hazardous waste criteria are more stringent and broader in scope, which results in California identifying more wastes as hazardous than does RCRA. As such, California’s manifested hazardous waste is organized into two categories: “RCRA hazardous waste” and “non-RCRA hazardous waste.” In this Report, RCRA hazardous wastes are those identified as hazardous by RCRA, and non-RCRA hazardous wastes are the additional wastes considered hazardous in California but not by RCRA.

<sup>43</sup> 45 FR 33085 (May 19, 1980)

RCRA and non-RCRA hazardous wastes are identified by specific waste codes. Waste codes must be included on uniform hazardous waste manifests. This allows each type of waste to be quantified.

RCRA and non-RCRA waste codes are included in Cal. Code Regs., tit. 22, div. 4.5, chapter 11. For the purposes of this Report, waste codes have been organized as “waste streams.”<sup>44</sup>

Since 2010, California generators have generated 17.0 million tons of non-RCRA manifested hazardous waste and 3.79 million tons of RCRA manifested hazardous waste, as shown in Figure 2.3-5. The 17.0 million tons of non-RCRA waste represents more than 80 percent of manifested hazardous waste generated during this time period. This is a result of California’s hazardous waste criteria management being broader in scope and more stringent than RCRA.



<sup>44</sup> Utilizing waste codes as “waste streams” organizes waste generation data at its most basic level. Waste streams can be grouped together based on many considerations, such as industry type, waste source, or similarity, such as metals or organics. Organizing waste streams based on waste codes was determined to be the most appropriate method for this Report, because other organization schemes are typically created with a specific goal in mind, such as reducing waste generation from specific industries. Since this Report is establishing a quantitative baseline, the organizational method chosen can be expanded upon in future research based on specific questions or research topics.

Figure 2.3-5: Amount of RCRA and Non-RCRA Manifested Hazardous Waste (January 2010 to May 2022)

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

### 2.3.3.1 RCRA Manifested Hazardous Waste

Since 2010, generation of RCRA manifested hazardous waste averaged 309,980 tons per year and ranged between 224,600 and 398,600 tons per year (Figure 2.3-6). There appears to be a slightly decreasing trend in RCRA waste generation since 2010. This appears to be consistent with trends seen in preliminary review of the years prior to 2010.<sup>45</sup> Reductions in generation seen during 2020 and 2021 are likely due, in part, to the COVID-19 pandemic.

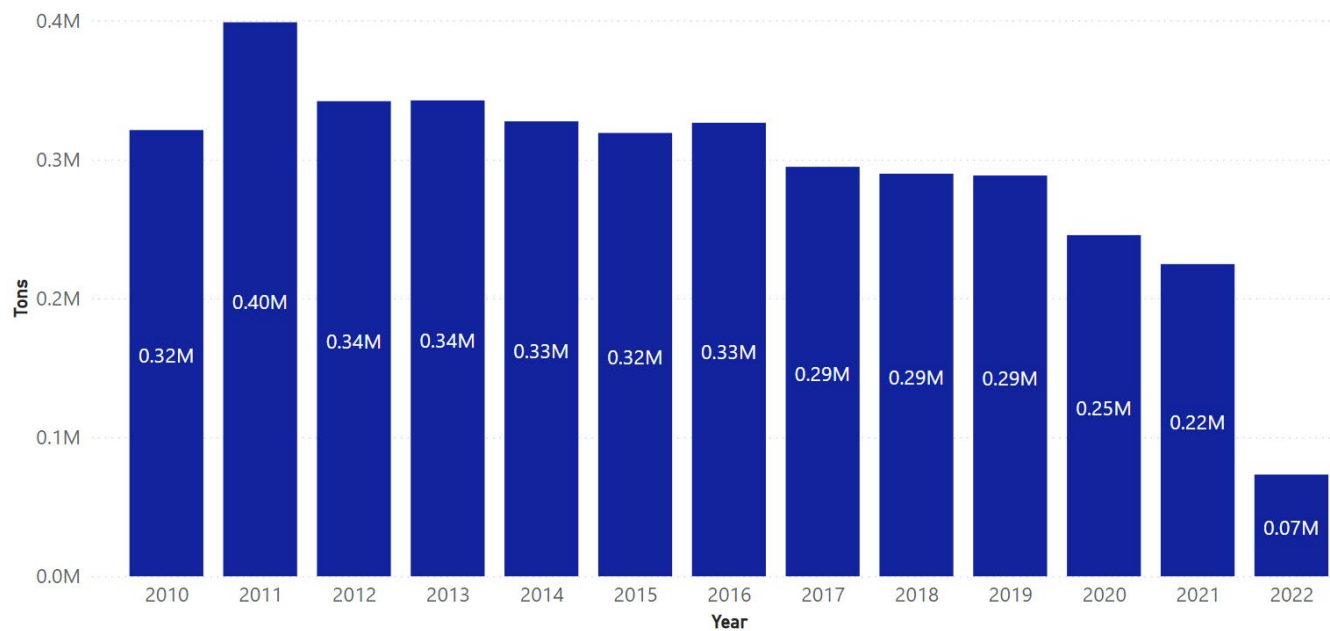


Figure 2.3-6: Annual Amount of RCRA Manifested Hazardous Waste (January 2010 to May 2022)

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

<sup>45</sup> A detailed analysis of data from 2000 to 2010 has not been completed. The HWPlan unit is working to fully incorporate additional data into the data set for analysis. The prior Community Protection Hazardous Waste Reduction Initiative did not organize the waste based on RCRA or non-RCRA classification so prior analysis is not available.

For more information on California’s RCRA hazardous waste, please see Section 3.1.5 Amount of Hazardous Waste Regulated under the Federal Act.

### 2.3.3.2 Non-RCRA Manifested Hazardous Waste

Generation of non-RCRA manifested hazardous waste averaged 1,389,775 tons per year and ranged between 1,091,240 and 1,680,348 tons per year (Figure 2.3-7). Generation of non-RCRA waste has fluctuated since 2010 and preliminary review of the years prior to 2010 shows a decreasing trend since 2000.<sup>46</sup> Reductions in generation seen during 2020 and 2021 are likely due, in part, to the COVID-19 pandemic.

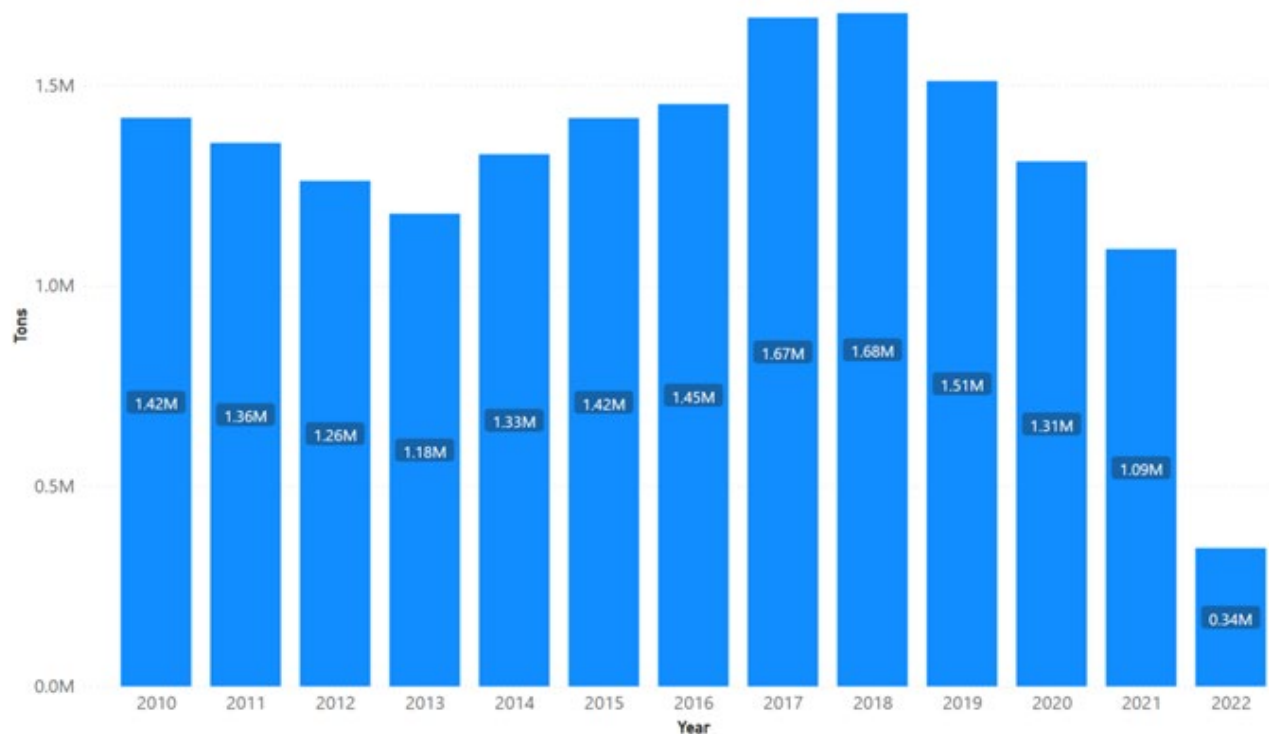


Figure 2.3-7: Amount of California’s Non-RCRA Manifested Hazardous Waste per Year

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

For more information on California’s RCRA hazardous waste, please see Section 3.1.6 Amount of Hazardous Waste Regulated only in the State.

<sup>46</sup> A detailed analysis of data from 2000 to 2010 has not been completed. The HWPlan unit is working to fully incorporate additional data into the data set for analysis. The prior Community Protection Hazardous Waste Reduction Initiative did not organize the waste based on RCRA or non-RCRA classification so prior analysis is not available.

### 2.3.4 California's Largest Hazardous Waste Streams

Three waste streams have consistently been the largest since 2010. The largest waste stream generated in California each year is Contaminated Soil from Site Cleanups (State Waste Code 611). The second largest hazardous waste stream is Waste Oil and Mixed Oil (State Waste Code 221). The third largest hazardous waste stream is Other Inorganic Solid Waste (State Waste Code 181). Since 2010, these three waste streams have accounted for 13,651,300 tons, or 64.8 percent of all hazardous waste generated in California.

This can be seen in Figure 2.3-8, which shows how much waste has been generated from these three waste streams, as compared to all other manifested waste in California.

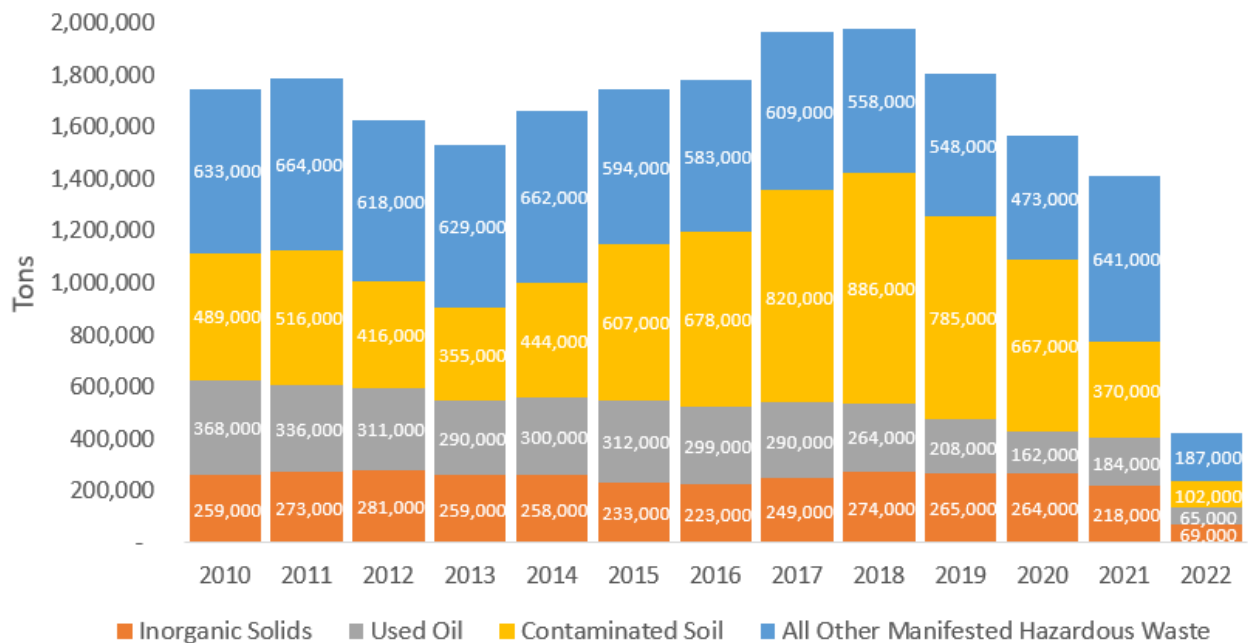


Figure 2.3-8: Largest Waste Streams in Tons per Year

Two of these waste streams – Contaminated Soil from Site Cleanups and Other Inorganic Solid Waste – are considered “non-recurring” waste streams. This means they are dependent on specific projects that will change year to year. In other words, the waste is not generated from a recurring process, such as a manufacturing plant producing a product. In contrast, Waste Oil and Mixed Oil are “recurring” waste streams. Recurring waste streams are generated by recurring processes that generate relatively consistent quantities each year. In other words, there are not large variations in volume generated year-to-year and they are not dependent on specific projects.

### 2.3.4.1 Contaminated Soil from Site Cleanups

California generators have generated more Contaminated Soil from Site Cleanups (State Waste Code 611) than any other waste stream since 2010. While the waste code title is Contaminated Soil from Site Cleanups, the waste code is also used to indicate contaminated soil generated from other sources like general construction activities.<sup>47</sup> On average, more than 567,000 tons are manifested each year,<sup>48</sup> which represents nearly a quarter to half of the manifested hazardous waste generated annually. Figure 2.3-9 shows the quantity of contaminated soil generated each year in California.

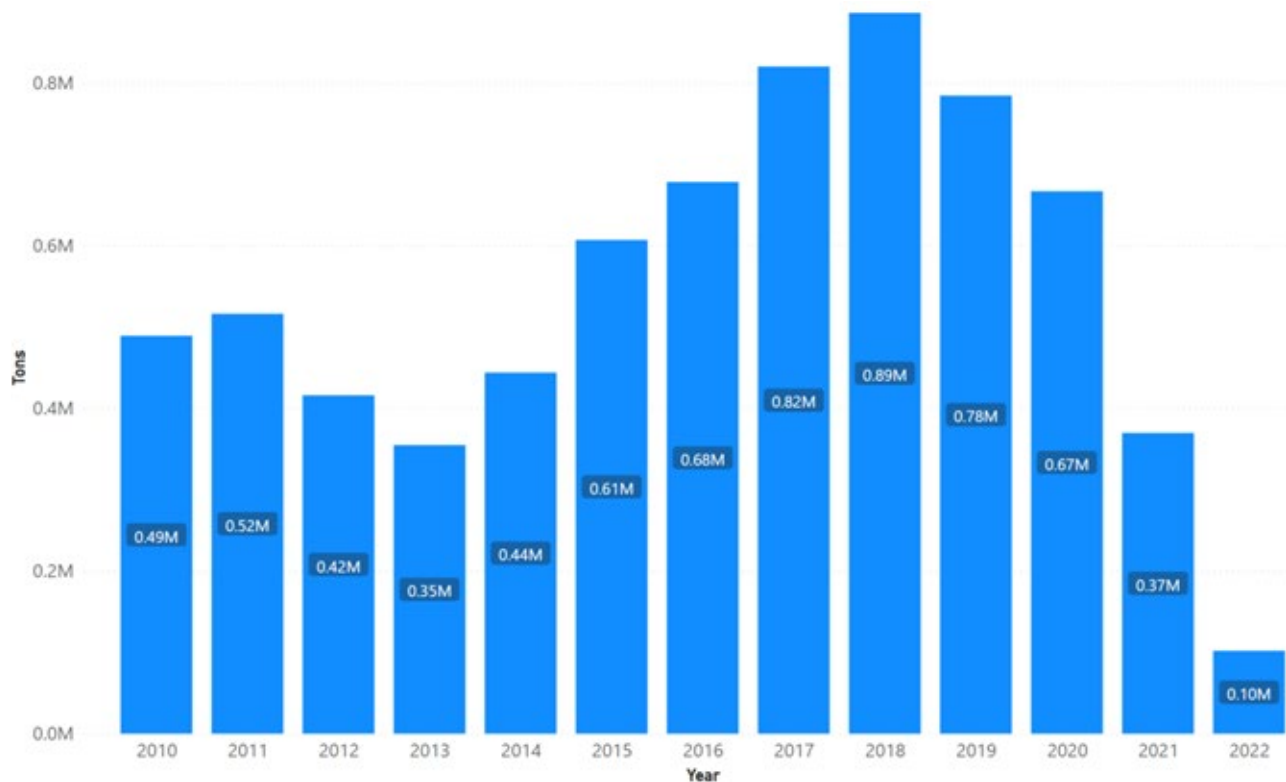


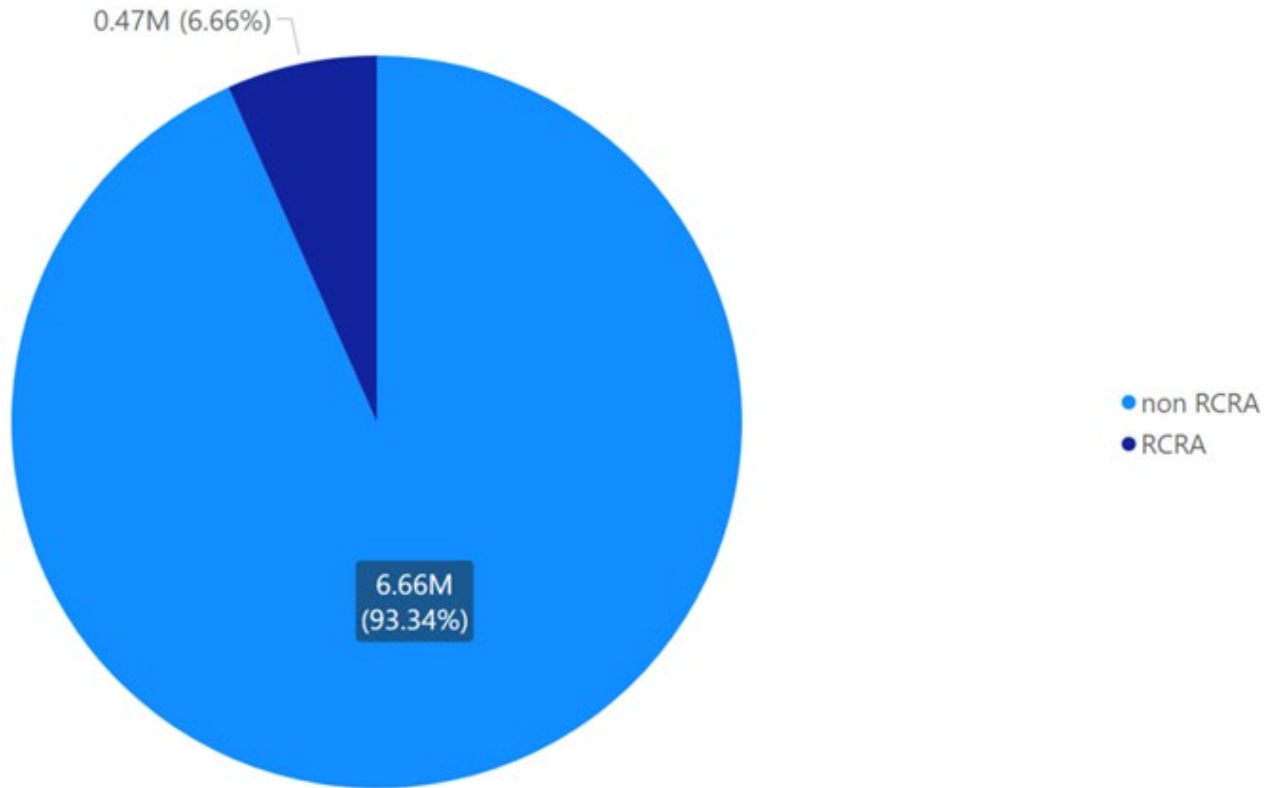
Figure 2.3-9: Quantity of Contaminated Soil Generated in California

About 93 percent of the contaminated soil generated since 2010 has been non-RCRA hazardous waste (Figure 2.3-10).

<sup>47</sup> These sites may contain soil that exhibits a characteristic of hazardous waste, but the contamination is not due to a release. As an example, some portions of San Francisco were constructed on debris and fill and this soil can exhibit a hazardous characteristic upon testing.

<sup>48</sup> Mean: 567,300 Tons, Standard Deviation: 179,100 Tons





*Figure 2.3-10: Amount of RCRA and Non-RCRA Contaminated Soil Generated in California*

*Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.*

As discussed previously, waste codes designate the type of waste listed on a manifest, but non-RCRA waste codes do not identify the type of contaminant that causes a soil to be identified as hazardous waste. To determine specific contaminants involved and their concentrations, DTSC must contact individual generators. DTSC contacted the five generators that produced the most contaminated soil in 2021, and three of the five have provided data that is under review. Preliminary findings reveal that the constituent that caused the overwhelming majority of soil to be identified as hazardous was lead that failed California's Waste Extraction Test (WET). Other metals such as copper and zinc were also identified. These early observations also appear to show that concentrations of lead in the WET results are low and relatively close to the lead Solubility Threshold Limit Concentration (STLC) of 5 mg/L. Additional research in this area should be completed to ensure that the current management requirements for this waste stream are appropriate, given the mobility characteristics of these primary constituents, as well as the design of modern waste disposal facilities. Figure 2.3-11 shows the largest generators of contaminated soil in 2021.

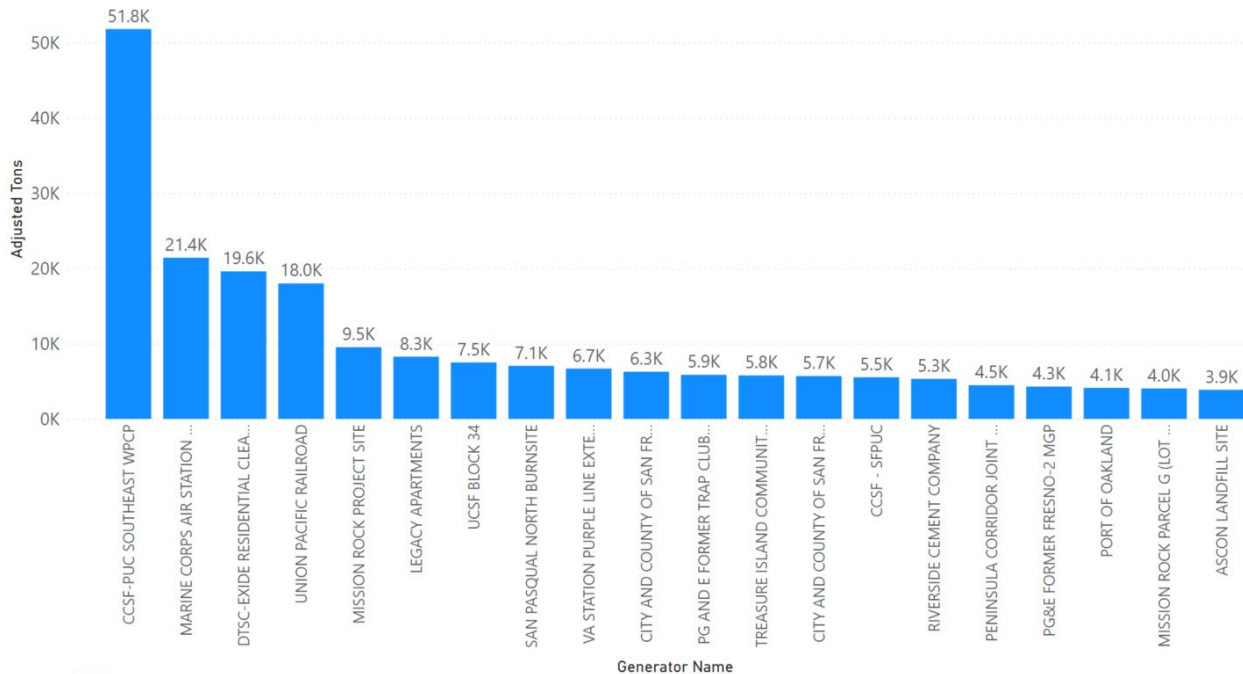


Figure 2.3-11: California's Largest Twenty Contaminated Soil Generators in 2021

The quantity of contaminated soil may increase over the next several years, as funding has recently increased for both state cleanups and federal infrastructure projects.<sup>49</sup> In addition, large remediation projects, such as the Santa Susana Field Laboratory (SSFL), are anticipated over the next fifteen years. These projects are expected to generate large quantities of contaminated soil.<sup>50</sup> As in previous years, a large percentage of this contaminated soil will likely be considered non-RCRA hazardous.

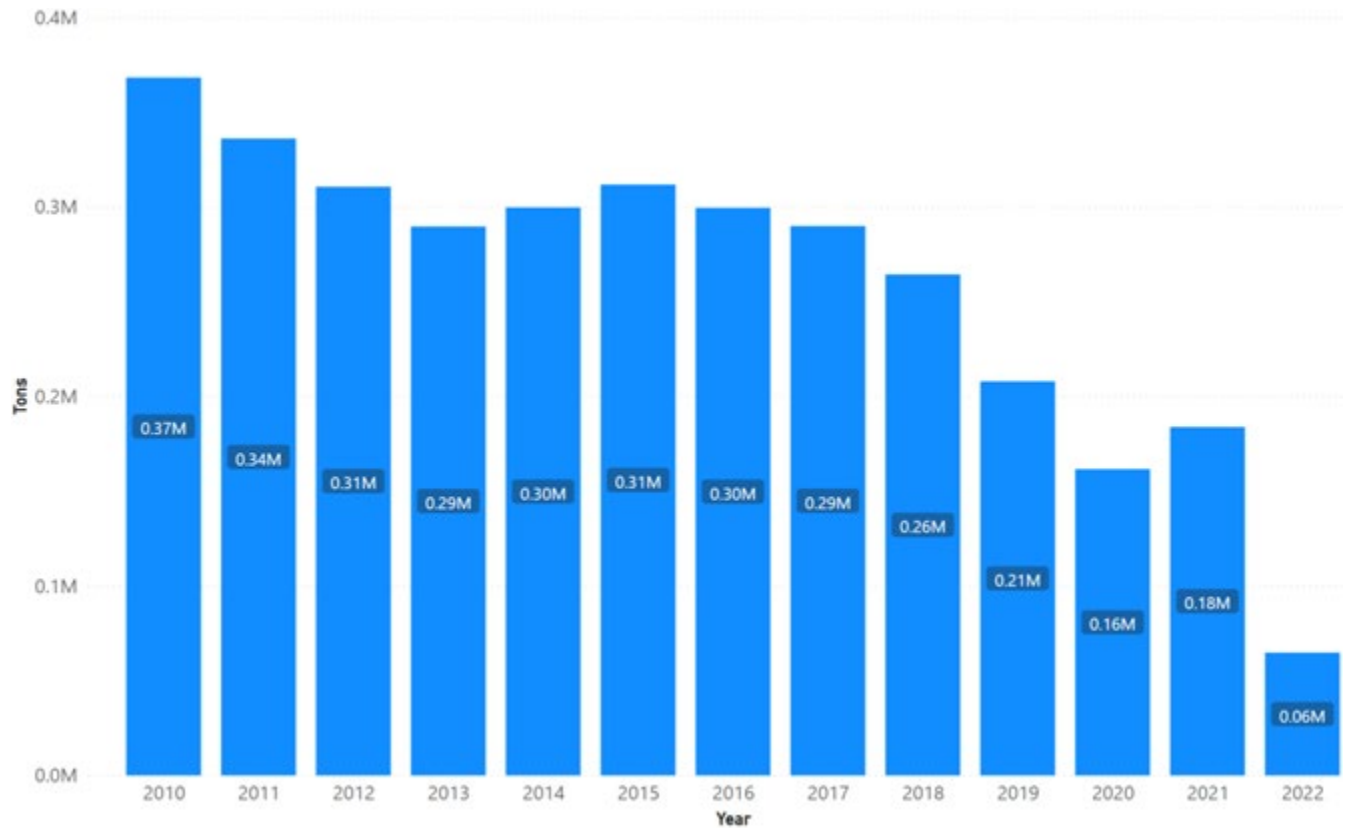
#### 2.3.4.2 Waste Oil and Mixed Oil

Since 2010, the second largest hazardous waste stream generated in California has been Waste Oil and Mixed Oil (State Waste Code 221), an average of more than 323,000 tons<sup>51</sup> each year.

<sup>49</sup> Through the passage of SB158, Governor Gavin Newsom and the State Legislature set aside \$500 million for Cleanup in Vulnerable Communities which may generate contaminated soil if excavation is a chosen remedy. The Infrastructure Investment and Jobs Act passed by the United States Congress will provide funding for infrastructure projects. Infrastructure projects such as roads and bridges typically require excavation. Excavated soil must be characterized to ensure proper management. California has more stringent waste criteria than RCRA. This is likely to result in a large quantity of soil that will require management as hazardous waste.

<sup>50</sup> The 2023 SSFL PEIR estimates approximately 816,000 cubic yards (1,224,000 tons) of soil to be excavated will be hazardous. The project is anticipated to be conducted over the next 15 years.

<sup>51</sup> Mean: 323,471, SD: 64,758



*Figure 2.3-12: Amount of RCRA and Non-RCRA Waste Oil Generated in California*

About 99.6 percent of waste oils are managed as non-RCRA hazardous waste (Figure 2.3-13). Waste Oils and Mixed Oils are generated from various sources, such as industrial operations and small auto shops.

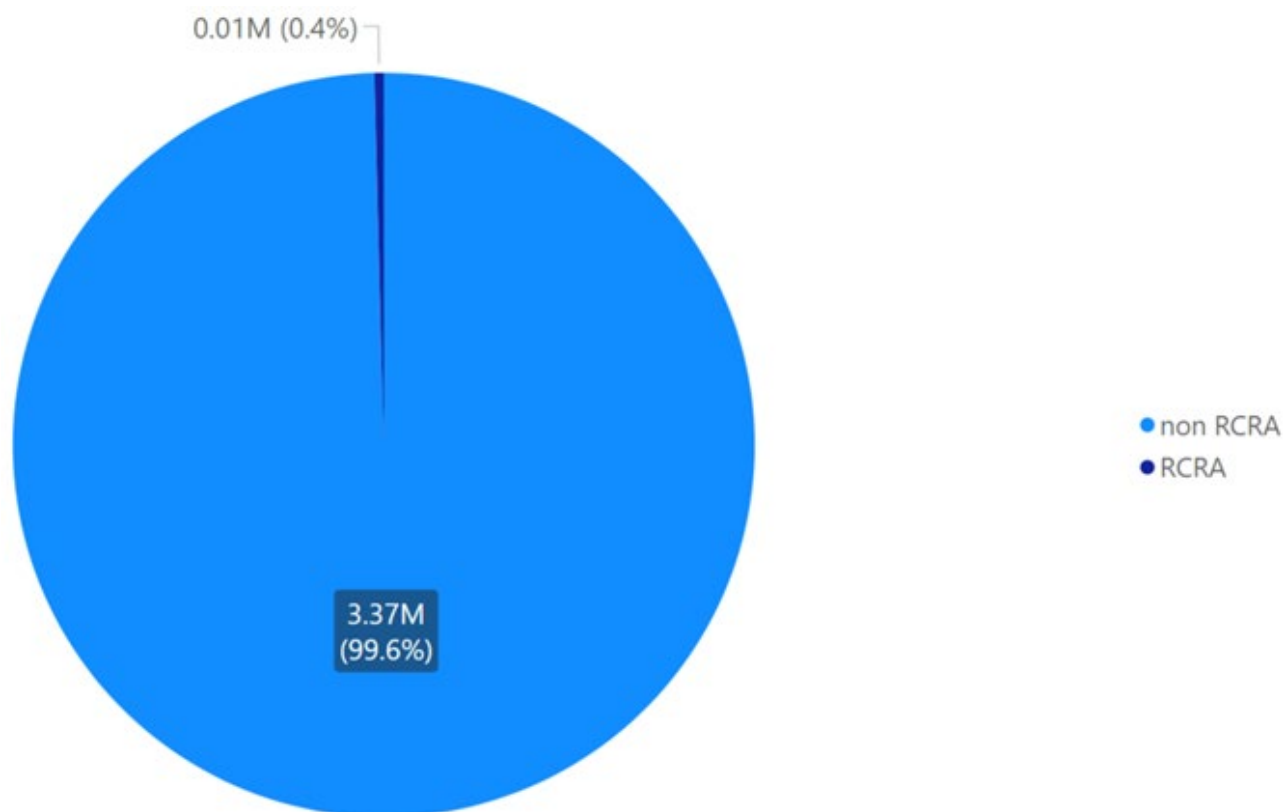


Figure 2.3-13: Amount of RCRA and Non-RCRA Waste Oil Generated in California, January 2010 - May 2022

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

Waste Oil and Mixed Oil from the consumer automotive industry will likely decrease in coming years, as a result of Governor Newsom’s Executive Order N-79-20, which directs the state to require, that all new cars and passenger trucks sold in California be zero emission vehicles (ZEV) by 2035. The phasing out of internal combustion engine vehicles is expected to have a significant impact on this waste stream. However, it is currently unclear how much waste oil is generated specifically from consumer automobiles.

California’s transition to zero emission vehicles will also result in new waste streams the state will need to manage. One such stream may come from lithium extraction projects near the Salton Sea.<sup>52</sup> Once lithium is extracted, it may need to be further refined before

<sup>52</sup> <https://www.gov.ca.gov/2023/03/20/governor-newsom-visits-lithium-valley-to-highlight-momentum-on-becoming-global-source-for-battery-production/>

it can be used as the electrolyte within ZEV batteries. This processing and refining may result in the generation of additional hazardous wastes.

Lithium batteries have a limited life span. While they can be reused in other energy storage applications after being replaced in ZEVs, they eventually need to be disposed of and will likely become hazardous waste that must be managed appropriately.

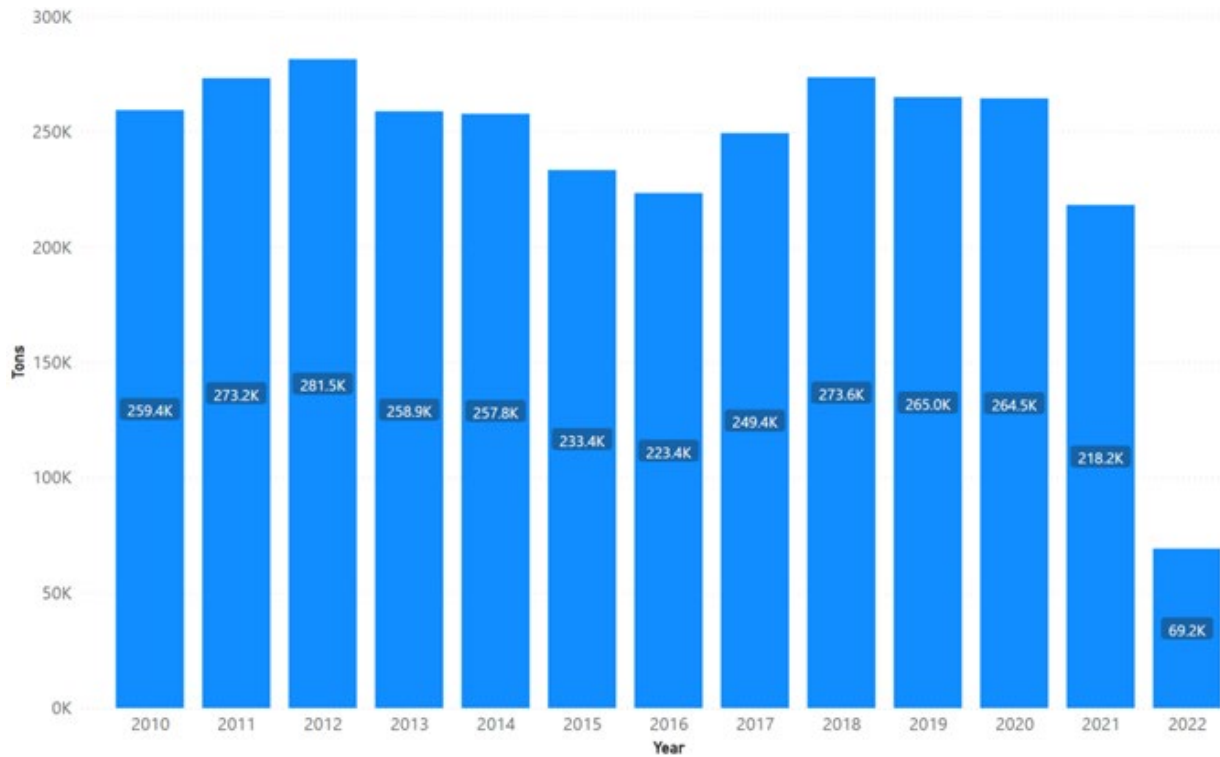
For future hazardous waste management planning, DTSC should review and analyze reduction and management methods for these batteries. The waste management hierarchy of source reduction, recycling, treatment, and disposal will be used to waste management approach. Batteries will be sent out of state for recycling if there is no recycling capacity in state. To encourage a circular economy for these wastes and maintain health and environmental protections, DTSC should further examine challenges and opportunities around this issue in the Plan.

#### 2.3.4.3 Other Inorganic Solid Waste

Since 2010, California's third largest hazardous waste stream has been Other Inorganic Solid Waste (State Waste Code 181). On average, California manifests more than 264,000 tons<sup>53</sup> of other inorganic solids each year (Figure 2.3-14).

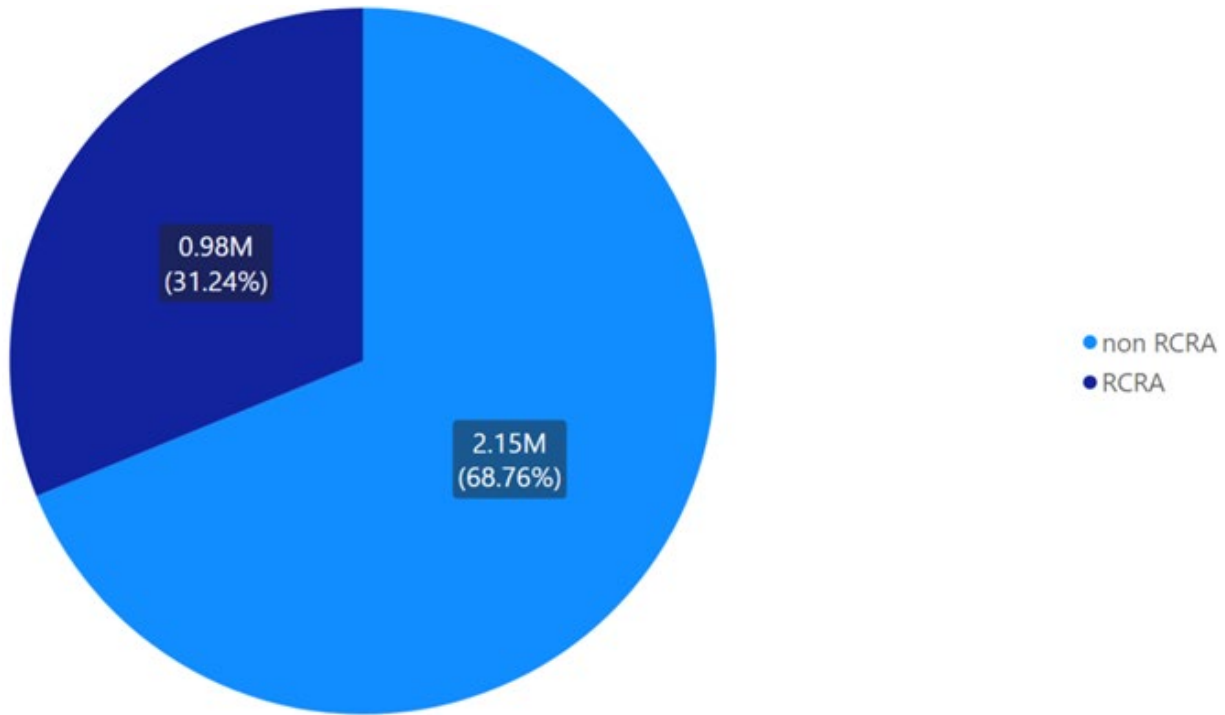
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<sup>53</sup> Mean: 264,700 Tons, SD: 18,100 Tons



*Figure 2.3-14: Amount of Other Inorganic Solid Waste Generated in California (RCRA and Non-RCRA combined)*

Other Inorganic Solid Waste is typically produced during projects like demolitions or cleanups that also produce contaminated soil. Excavation can unearth contaminated construction debris and other items along with soil. In these cases, the manifest code for Other Inorganic Solid Waste may be used. Other Inorganic Solid Waste can also be produced during other waste generating activities as well. About 68.6 percent of Other Inorganic Solid Waste is non-RCRA Hazardous Waste.



*Figure 2.3-15 Amount of RCRA and Non-RCRA Other Inorganic Solid Waste Generated in California*

*Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.*

### 2.3.5 County in which each Hazardous Waste Stream is Generated

In accordance with HSC § 25135(b)(1)(A), the quantity of waste generated within each of the 58 counties in California is included below. This section includes the following information for each county:

- The number of generators
- The amount of manifested hazardous waste generated since 2010
  - The amount of non-RCRA manifested hazardous waste
  - The amount of RCRA manifested hazardous waste
  - The amount of uncategorized manifested hazardous waste

Appendix A includes each county's annual tonnage for each hazardous waste code reported.

#### 2.3.5.1 Alameda County, CA

Since 2010, 29,795 generators have produced 1,393,000 tons of hazardous waste in Alameda County. This includes 1,168,400 tons of non-RCRA manifested hazardous

waste, 217,400 tons of RCRA manifested hazardous waste, and 7,300 tons of uncategorized manifested hazardous waste.

#### 2.3.5.2 Alpine County, CA

Since 2010, 47 generators have generated 13,700 tons of hazardous waste in Alpine County. This includes 13,500 tons of non-RCRA manifested hazardous waste, 140 tons of RCRA manifested hazardous waste, and 60 tons of uncategorized manifested hazardous waste.

#### 2.3.5.3 Amador County, CA

Since 2010, 340 generators have generated 7,200 tons of hazardous waste in Amador County. This includes 6,300 tons of non-RCRA manifested hazardous waste, 900 tons of RCRA manifested hazardous waste, and 50 tons of uncategorized manifested hazardous waste.

#### 2.3.5.4 Butte County, CA

Since 2010, 2003 generators have generated 99,800 tons of hazardous waste in Butte County. This includes 97,000 tons of non-RCRA manifested hazardous waste, 2,800 tons of RCRA manifested hazardous waste, and 800 tons of uncategorized manifested hazardous waste.

#### 2.3.5.5 Calaveras County, CA

Since 2010, 292 generators have generated 2,200 tons of hazardous waste in Calaveras County. This includes 1,200 tons of non-RCRA manifested hazardous waste, 1,000 tons of RCRA manifested hazardous waste, and 2 tons of uncategorized manifested hazardous waste.

#### 2.3.5.61 Colusa County, CA

Since 2010, 243 generators have generated 4,100 tons of hazardous waste in Colusa County. This includes 3,800 tons of non-RCRA manifested hazardous waste, 300 tons of RCRA manifested hazardous waste, and 40 tons of uncategorized manifested hazardous waste.



### 2.3.5.7 Contra Costa County, CA

Since 2010, 20,423 generators have generated 934,000 tons of hazardous waste. This includes 745,700 tons of non-RCRA manifested hazardous waste, 182,500 tons of RCRA manifested hazardous waste, and 5,400 tons of uncategorized manifested hazardous waste.

### 2.3.5.8 Del Norte County, CA

Since 2010, 143 generators have produced 500 tons of hazardous waste in Del Norte County. This includes 400 tons of non-RCRA manifested hazardous waste, 60 tons of RCRA manifested hazardous waste, and 5 tons of uncategorized manifested hazardous waste.

### 2.3.5.9 El Dorado County, CA

Since 2010, 1,424 generators have generated 7,300 tons of hazardous waste in El Dorado County. This includes 6,100 tons of non-RCRA manifested hazardous waste, 1,000 tons of RCRA manifested hazardous waste, and 150 tons of uncategorized manifested hazardous waste.

### 2.3.5.10 Fresno County, CA

Since 2010, 9,595 generators have generated 519,600 tons of hazardous waste in Fresno County. This includes 449,800 tons of non-RCRA manifested hazardous waste, 65,400 tons of RCRA manifested hazardous waste, and 4,200 tons of uncategorized manifested hazardous waste.

### 2.3.5.11 Glenn County, CA

Since 2010, 400 generators have generated 8,200 tons of hazardous waste in Glenn County. This includes 4,300 tons of non-RCRA manifested hazardous waste, 3,800 tons of RCRA manifested hazardous waste, and 40 tons of uncategorized manifested hazardous waste.

### 2.3.5.12 Humboldt County, CA

Since 2010, 1,175 generators have generated 89,500 tons of hazardous waste in Humboldt County. This includes 84,100 tons of non-RCRA manifested hazardous

waste, 2,400 tons of RCRA manifested hazardous waste, and 3,000 tons of uncategorized manifested hazardous waste.

#### 2.3.5.13 Imperial County, CA

Since 2010, 1,662 generators have generated 481,300 tons of hazardous waste. This includes 416,300 tons of non-RCRA manifested hazardous waste, 25,000 tons of RCRA manifested hazardous waste, and 40,000 tons of uncategorized manifested hazardous waste.

#### 2.3.5.14 Inyo County, CA

Since 2010, 213 generators have generated 38,200 tons of hazardous waste in Inyo County. This includes 29,400 tons of non-RCRA manifested hazardous waste, 8,700 tons of RCRA manifested hazardous waste, and 20 tons of uncategorized manifested hazardous waste.

#### 2.3.5.15 Kern County, CA

Since 2010, 6,607 generators have generated 787,400 tons of hazardous waste in Kern County. This includes 702,000 tons of non-RCRA manifested hazardous waste, 79,300 tons of RCRA manifested hazardous waste, and 6,100 tons of uncategorized manifested hazardous waste.

#### 2.3.5.16 Kings County, CA

Since 2010, 1,053 generators have generated 29,900 tons of hazardous waste in Kings County. This includes 21,400 tons of non-RCRA manifested hazardous waste, 8,000 tons of RCRA manifested hazardous waste, and 500 tons of uncategorized manifested hazardous waste.

#### 2.3.5.17 Lake County, CA

Since 2010, 481 generators have generated 34,700 tons of hazardous waste in Lake County. This includes 33,600 tons of non-RCRA manifested hazardous waste, 500 tons of RCRA manifested hazardous waste, and 600 tons of uncategorized manifested hazardous waste.

### 2.3.5.18 Lassen County, CA

Since 2010, 273 generators have generated 9,500 tons of hazardous waste in Lassen County. This includes 6,700 tons of non-RCRA manifested hazardous waste, 2,700 tons of RCRA manifested hazardous waste, and 60 tons of uncategorized manifested hazardous waste.

### 2.3.5.19 Los Angeles County, CA

Since 2010, 148,730 generators have generated 6,588,500 tons of hazardous waste in Los Angeles County. This includes 5,035,900 tons of non-RCRA manifested hazardous waste, 1,496,400 tons of RCRA manifested hazardous waste, and 56,300 tons of uncategorized manifested hazardous waste.

### 2.3.5.20 Madera County, CA

Since 2010, 1,031 generators have generated 22,800 tons of hazardous waste in Madera County. This includes 7,300 tons of non-RCRA manifested hazardous waste, 14,300 tons of RCRA manifested hazardous waste, and 1,300 tons of uncategorized manifested hazardous waste.

### 2.3.5.21 Marin County, CA

Since 2010, 6,666 generators have generated 86,600 tons of hazardous waste in Marin County. This includes 75,500 tons of non-RCRA manifested hazardous waste, 10,300 tons of RCRA manifested hazardous waste, and 800 tons of uncategorized manifested hazardous waste.

### 2.3.5.22 Mariposa County, CA

Since 2010, 127 generators have generated 700 tons of hazardous waste in Mariposa County. This includes 600 tons of non-RCRA manifested hazardous waste, 80 tons of RCRA manifested hazardous waste, and 0.1 tons of uncategorized manifested hazardous waste.

### 2.3.5.23 Mendocino County, CA

Since 2010, 872 generators have generated 11,300 tons of hazardous waste in Mendocino County. This includes 5,800 tons of non-RCRA manifested hazardous

waste, 5,500 tons of RCRA manifested hazardous waste, and 40 tons of uncategorized manifested hazardous waste.

#### 2.3.5.24 Merced County, CA

Since 2010, 1,901 generators have generated 16,400 tons of hazardous waste in Merced County. This includes 13,600 tons of non-RCRA manifested hazardous waste, 2,300 tons of RCRA manifested hazardous waste, and 400 tons of uncategorized manifested hazardous waste.

#### 2.3.5.25 Modoc County, CA

Since 2010, 55 generators have generated 125 tons of hazardous waste in Modoc County. This included 123 tons of non-RCRA manifested hazardous waste, 2 tons of RCRA manifested hazardous waste, and 0.3 tons of uncategorized manifested hazardous waste.

#### 2.3.5.26 Mono County, CA

Since 2010, 97 generators have generated 2,200 tons of hazardous waste in Mono County. This includes 2,000 tons of non-RCRA manifested hazardous waste, 200 tons of RCRA manifested hazardous waste, and 50 tons of uncategorized manifested hazardous waste.

#### 2.3.5.27 Monterey County, CA

Since 2010, 5,141 generators have generated 99,000 tons of hazardous waste in Monterey County. This includes 87,000 tons of non-RCRA manifested hazardous waste, 10,100 tons of RCRA manifested hazardous waste, and 1,800 tons of uncategorized manifested hazardous waste.

#### 2.3.5.28 Napa County, CA

Since 2010, 1,727 generators have generated 20,300 tons of hazardous waste in Napa County. This includes 17,500 tons of non-RCRA manifested hazardous waste, 2,700 tons of RCRA manifested hazardous waste, and 200 tons of uncategorized manifested hazardous waste.

#### 2.3.5.29 Nevada County, CA

Since 2010, 890 generators have generated 10,800 tons of hazardous waste in Nevada County. This includes 7,900 tons of non-RCRA manifested hazardous waste, 1,800 tons of RCRA manifested hazardous waste, and 1,200 tons of uncategorized manifested hazardous waste.

#### 2.3.5.30 Orange County, CA

Since 2010, 68,105 generators have generated 878,500 tons of hazardous waste in Orange County. This includes 547,100 tons of non-RCRA manifested hazardous waste, 320,900 tons of RCRA manifested hazardous waste, and 10,600 tons of uncategorized manifested hazardous waste.

#### 2.3.5.31 Placer County, CA

Since 2010, 2,852 generators have generated 51,100 tons of hazardous waste in Placer County. This includes 45,500 tons of non-RCRA manifested hazardous waste, 5,300 tons of RCRA manifested hazardous waste, and 300 tons of uncategorized manifested hazardous waste.

#### 2.3.5.32 Plumas County, CA

Since 2010, 306 Generators have generated 5,200 tons of hazardous waste in Plumas County. This includes 5,000 tons of non-RCRA manifested hazardous waste, 200 tons of RCRA manifested hazardous waste, and 7 tons of uncategorized manifested hazardous waste.

#### 2.3.5.33 Riverside County, CA

Since 2010, 18,247 generators have generated 247,500 tons of hazardous waste in Riverside County. This includes 159,800 tons of non-RCRA manifested hazardous waste, 82,100 tons of RCRA manifested hazardous waste, and 5,500 tons of uncategorized manifested hazardous waste.

#### 2.3.5.34 Sacramento County, CA

Since 2010, 12,188 generators have generated 557,500 tons of hazardous waste in Sacramento County. This includes 418,800 tons of non-RCRA manifested hazardous

waste, 134,800 tons of RCRA manifested hazardous waste, and 3,900 tons of uncategorized manifested hazardous waste.

#### 2.3.5.35 San Benito County, CA

Since 2010, 444 generators have generated 6,400 tons of hazardous waste in San Benito County. This includes 4,600 tons of non-RCRA manifested hazardous waste, 1,700 tons of RCRA manifested hazardous waste, and 80 tons of uncategorized manifested hazardous waste.

#### 2.3.5.36 San Bernardino County, CA

Since 2010, 22,318 generators have generated 1,353,900 tons of hazardous waste in San Bernardino County. This includes 1,171,800 tons of non-RCRA manifested hazardous waste, 163,400 tons of RCRA manifested hazardous waste, and 18,600 tons of uncategorized manifested hazardous waste.

#### 2.3.5.37 San Diego County, CA

Since 2010, 48,852 generators have generated 1,075,400 tons of hazardous waste in San Diego County. This includes 798,400 tons of non-RCRA manifested hazardous waste, 253,200 tons of RCRA manifested hazardous waste, and 23,800 tons of uncategorized manifested hazardous waste.

#### 2.3.5.38 San Francisco County, CA

Since 2010, 18,119 generators have generated 2,035,400 tons of hazardous waste in San Francisco County. This includes 1,955,500 tons of non-RCRA manifested hazardous waste, 69,700 tons of RCRA manifested hazardous waste, and 10,200 tons of uncategorized manifested hazardous waste.

#### 2.3.5.39 San Joaquin County, CA

Since 2010, 5,798 generators have generated 264,600 tons of hazardous waste in San Joaquin County. This includes 239,400 tons of non-RCRA manifested hazardous waste, 24,200 tons of RCRA manifested hazardous waste, and 1000 tons of uncategorized manifested hazardous waste.

#### 2.3.5.40 San Luis Obispo County, CA

Since 2010, 3,220 generators have generated 120,900 tons of hazardous waste in San Luis Obispo County. This includes 93,000 tons of non-RCRA manifested hazardous waste, 19,700 tons of RCRA manifested hazardous waste, and 8,200 tons of uncategorized manifested hazardous waste.

#### 2.3.5.41 San Mateo County, CA

Since 2010, 16,583 generators have generated 512,600 tons of hazardous waste in San Mateo County. This includes 353,800 tons of non-RCRA manifested hazardous waste, 156,500 tons of RCRA manifested hazardous waste, and 2,200 tons of uncategorized manifested hazardous waste.

#### 2.3.5.42 Santa Barbara County, CA

Since 2010, 6,319 generators have generated 167,300 tons of hazardous waste in Santa Barbara County. This includes 133,900 tons of non-RCRA manifested hazardous waste, 32,100 tons of RCRA manifested hazardous waste, and 1,300 tons of uncategorized manifested hazardous waste.

#### 2.3.5.43 Santa Clara County, CA

Since 2010, 32,355 generators have generated 845,000 tons of hazardous waste in Santa Clara County. This includes 595,600 tons of non-RCRA manifested hazardous waste, 244,600 tons of RCRA manifested hazardous waste, and 4,700 tons of uncategorized manifested hazardous waste.

#### 2.3.5.44 Santa Cruz County, CA

Since 2010, 3,095 generators have generated 45,500 tons of hazardous waste in Santa Cruz County. This includes 41,400 tons of non-RCRA manifested hazardous waste, 4,000 tons of RCRA manifested hazardous waste, and 400 tons of uncategorized manifested hazardous waste.

#### 2.3.5.45 Shasta County, CA

Since 2010, 1,814 generators have generated 23,500 tons of hazardous waste in Shasta County. This includes 16,400 tons of non-RCRA manifested hazardous waste,

6,700 tons of RCRA manifested hazardous waste, and 400 tons of uncategorized manifested hazardous waste.

#### 2.3.5.46 Sierra County, CA

Since 2010, 38 generators have generated 720 tons of hazardous waste in Sierra County. This includes 690 tons of non-RCRA manifested hazardous waste, 10 tons of RCRA manifested hazardous waste, and 20 tons of uncategorized manifested hazardous waste.

#### 2.3.5.47 Siskiyou County, CA

Since 2010, 398 generators have generated 5,400 tons of hazardous waste in Siskiyou County. This includes 4,200 tons of non-RCRA manifested hazardous waste, 1,200 tons of RCRA manifested hazardous waste, and 10 tons of uncategorized manifested hazardous waste.

#### 2.3.5.48 Solano County, CA

Since 2010, 4,383 generators have generated 665,600 tons of hazardous waste in Solano County. This includes 606,300 tons of non-RCRA manifested hazardous waste, 55,300 tons of RCRA manifested hazardous waste, and 4,000 tons of uncategorized manifested hazardous waste.

#### 2.3.5.49 Sonoma County, CA

Since 2010, 6,184 generators have generated 116,000 tons of hazardous waste in Sonoma County. This includes 100,600 tons of non-RCRA manifested hazardous waste, 12,200 tons of RCRA manifested hazardous waste, and 3,200 tons of uncategorized manifested hazardous waste.

#### 2.3.5.50 Stanislaus County, CA

Since 2010, 3,565 generators have generated 206,500 tons of hazardous waste in Stanislaus County. This includes 188,500 tons of non-RCRA manifested hazardous waste, 15,600 tons of RCRA manifested hazardous waste, and 2,300 tons of uncategorized manifested hazardous waste.



#### 2.3.5.51 Sutter County, CA

Since 2010, 796 generators have generated 7,400 tons of hazardous waste in Sutter County. This includes 5,800 tons of non-RCRA manifested hazardous waste, 1,600 tons of RCRA manifested hazardous waste, and 20 tons of uncategorized manifested hazardous waste.

#### 2.3.5.52 Tehama County, CA

Since 2010, 509 generators have generated 8,100 tons of hazardous waste in Tehama County. This includes 7,900 tons of non-RCRA manifested hazardous waste, 200 tons of RCRA manifested hazardous waste, and 30 tons of uncategorized manifested hazardous waste.

#### 2.3.5.53 Trinity County, CA

Since 2010, 132 generators have generated 50490 tons of hazardous waste in Trinity County. This includes 440 tons of non-RCRA manifested hazardous waste, 40 tons of RCRA manifested hazardous waste, and 10 tons of uncategorized manifested hazardous waste.

#### 2.3.5.54 Tulare County, CA

Since 2010, 2,878 generators have generated 27,400 tons of hazardous waste in Tulare County. This includes 24,100 tons of non-RCRA manifested hazardous waste, 2,700 tons of RCRA manifested hazardous waste, and 700 tons of uncategorized manifested hazardous waste.

#### 2.3.5.55 Tuolumne County, CA

Since 2010, 521 generators have generated 9,400 tons of hazardous waste in Tuolumne County. This includes 9,100 tons of non-RCRA manifested hazardous waste, 300 tons of RCRA manifested hazardous waste, and 40 tons of uncategorized manifested hazardous waste.

#### 2.3.5.56 Ventura County, CA

Since 2010, 16,720 generators have generated 135,500 tons of hazardous waste in Ventura County. This includes 101,700 tons of non-RCRA manifested hazardous waste,

32,300 tons of RCRA manifested hazardous waste, and 1,400 tons of uncategorized manifested hazardous waste.

#### 2.3.5.57 Yolo County, CA

Since 2010, 3,494 generators have generated 329,900 tons of hazardous waste in Yolo County. This includes 322,900 tons of non-RCRA manifested hazardous waste, 4,700 tons of RCRA manifested hazardous waste, and 2,300 tons of uncategorized manifested hazardous waste.

#### 2.3.5.58 Yuba County, CA

Since 2010, 408 generators have generated 26,600 tons of hazardous waste in Yuba County. This included 24,900 tons of non-RCRA manifested hazardous waste, 1,600 tons of RCRA manifested hazardous waste, and 60 tons of uncategorized manifested hazardous waste.

## 2.4 Unmanifested Waste

Unmanifested waste is hazardous waste that is not required to be included on a manifest for tracking from generation to disposal. Some hazardous wastes are not required to be manifested because they are treated on site, recycled on site or off site, or are subject to less stringent management requirements to encourage appropriate management. For example, the public is not required to complete a manifest when transporting household hazardous waste. Other examples of unmanifested wastes include used oil filters, treated wood waste, universal waste, some photographic and silver-only waste, and some wastes that are self-transported.

HSC § 25135 (b)(1)(G) requires an “estimate of the types and volumes of hazardous waste that are generated but are not required to be manifested.” Some unmanifested waste quantity information is available from various sources such as reports, surveys, stewardship programs, and databases. There is no standardized tracking mechanism that allows unmanifested waste to be easily tracked from “cradle-to-grave.” The available data for universal waste is recorded by handlers by count and/or weight, not in units of volume. Wastes eligible to be managed under standards alternative to full hazardous waste regulation are recorded by weight, not in units of volume. Therefore, information on universal waste and waste types managed under standards alternative to full hazardous waste regulation is presented by count and/or weight.

In the California Environmental Reporting System (CERS), recycled material is recorded in gallons, tons, pounds, or kilograms. A gallon is a unit of volume, while tons, pounds, and kilograms are units of weight. Volume and weight are not interchangeable units, and this may present a challenge in reporting the amount of waste recycled on site. Research regarding waste treated on site and recycled on site is ongoing, as discussed in respective sections.

### 2.4.1 Universal Waste

In order to be eligible for management as universal waste, hazardous waste must be evaluated according to certain factors outlined in California Code of Regulations, title 22, § 66260.23:

- The waste or category of waste is listed in article 4 of chapter 11 of this division, or if not listed, a proportion of the waste stream exhibits one or more characteristics of hazardous waste identified in article 3 of chapter 11 of this division
- The waste or category of waste is not exclusive to a specific industry and is commonly generated by a wide variety of establishments, including households
- The waste or category of waste is generated by a large number of generators in relatively small quantities

- The risk posed by the waste during accumulation and transport is relatively low compared to other hazardous wastes
- Specific management standards would be protective of human health and the environment during accumulation and transport
- Regulation of the waste increases the likelihood that it will be diverted from non-hazardous waste management systems to recycling, treatment, or disposal in compliance with Division 4.5 of California Code of Regulations and division 20 of the California Health and Safety Code
- Regulation of the waste will improve implementation of and compliance with the hazardous waste regulatory program

As with other hazardous wastes, improper management of universal wastes may cause harm to human health or the environment. The universal waste regulations provide flexibility in the waste management requirements in order to encourage generators, transporters, and handlers to properly manage these hazardous wastes and to encourage recycling to recover resources.

The federal universal waste regulations are found in Title 40, CFR, part 273 and apply to five types of universal waste:

- Batteries
- Pesticides
- Mercury-containing equipment
- Lamps
- Aerosol cans

Some states follow only these federal regulations while other states regulate additional universal wastes. For example, California identifies and manages eight types of hazardous waste as universal waste:<sup>54</sup>

- Electronic devices, including those that contain a cathode ray tube
- Cathode ray tubes (CRTs)
- CRT glass
- Batteries
- Lamps
- Mercury-containing equipment
- Non-empty aerosol cans
- Photovoltaic (PV) modules

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<sup>54</sup> Cal. Code Regs., tit. 22, §66261.9

Other wastes that are regulated as universal wastes in at least one state include:

- Antifreeze
- Polychlorinated biphenyl (PCB) ballasts
- Oil-based architectural paint
- Pharmaceuticals
- Compressed gas cylinders
- Pretreated dental wastewater
- Dental amalgam
- Used oil-based finishes

While there is some overlap between federal universal wastes and California's universal wastes, California lists additional wastes not included in the federal regulations and does not manage pesticides as universal wastes.

There are three types of regulated entities associated with universal waste – handlers, transporters, and destination facilities. Universal waste handlers can be responsible for universal waste generation, collection, or certain authorized treatments. A universal waste handler is defined as:<sup>55</sup>

1. a person who generates universal waste but does not accept universal waste from others, or
2. a person who accepts and accumulates universal waste generated by others, or
3. a person who accepts universal waste generated by others and conducts certain treatment<sup>56</sup> and recycling activities allowed by universal waste handler regulations.

The universal waste section of this Report will refer to universal wastes that are handled, since that includes both generated universal wastes and collected universal wastes. Information regarding the waste types and quantities of universal waste handled and treated is found in multiple databases, reports, and surveys as shown below in Table 2.4-1. Some of these sources are not designed to track universal waste from cradle-to-grave; instead, handlers use the source to notify DTSC of handler activities. It is important to note that, due to data source limitations, the amount of universal waste handled is an estimate.

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<sup>55</sup> "DTSC Universal Waste and How to Handle It Fact Sheet." *Dtsc.ca.Gov*, Dec. 2022, [dtsc.ca.gov/universal-waste-fact-sheet/](https://dtsc.ca.gov/universal-waste-fact-sheet/).

<sup>56</sup> Cal. Code Regs., tit. 22, §66273.70 through §66273.77

Table 2.4-1: Universal Waste Type and Data Source Used

Universal Waste Type	Data Source Used
Electronic Devices, including CRT Devices	DTSC Universal Waste Electronic Device (UWED) Annual Report
CRTs	DTSC UWED Annual Report
CRT Glass	DTSC UWED Annual Report
Batteries	DTSC Rechargeable Battery Survey
Lamps	Information Unavailable
Mercury-containing Equipment	Third Party Mercury Collector Website
Non-Empty Aerosol Cans	Information Unavailable
PV Modules	DTSC PV Module Annual Report

An estimated 78,310 tons of universal waste was handled in California in 2021. About 50,880 tons (65%) was electronic devices without a CRT. Devices with a CRT were the second most handled universal waste in California in 2021 at 14,210 tons (18%), followed by bare CRTs at 9,760 tons (12%), and rechargeable batteries at 2,210 tons (3%). CRT glass at 560 tons and PV modules at 690 tons each made up 1 percent of the universal waste handled. Mercury-containing equipment, specifically thermostats and loose switches, comprised 0.06 tons (less than 1%) of the universal waste handled in California in 2021. The quantity of lamps and non-empty aerosol cans handled in 2021 is unknown. Figure 2.4-1 and Table 2.4-2 shows handled universal waste in California by category for 2021.

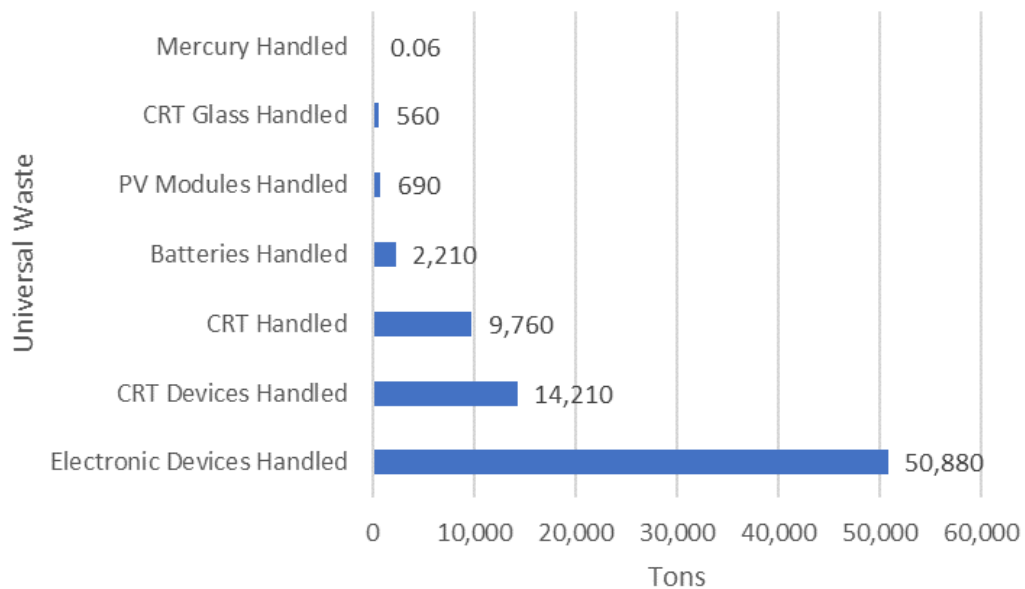


Figure 2.4-1: Handled Universal Waste, Tons, 2021

Figure 2.4-1 shows handled universal waste in California in 2021 in tons. The estimated total universal waste handled in California in 2021 was about 78,310 tons. Some facilities report electronic devices and/or PV modules by count rather than by weight. This figure only includes amounts reported by weight (tons). Mercury handled is mercury removed from thermostats and loose switches.

The five counties that handled the most universal waste reported by California handlers in 2021 were Los Angeles County at 12,350 tons (16%), Imperial County at 10,600 tons (14%), San Bernardino County at 8,460 tons (11%), Orange County at 5,320 tons (7%), and San Diego County at 3,460 tons (4%). These five counties account for about 52 percent of the universal waste handled in 2021 in California. Four of these counties are among the five most populous counties in California. Figure 2.4-2 and Table 2.4--2 shows the handled universal waste by county in 2021. Chart, Bar Chart

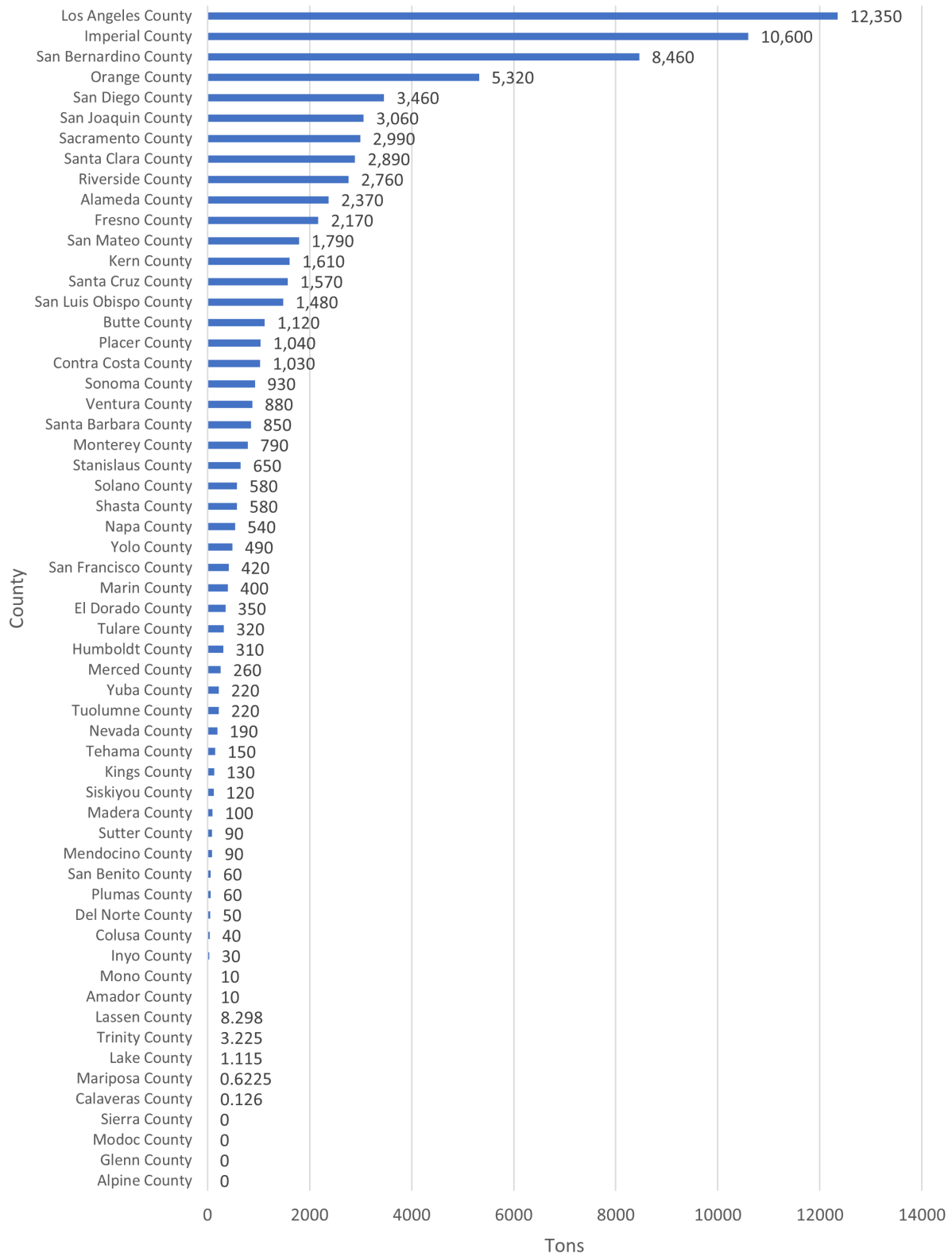


Figure 2.4-2: Handled Universal Waste by County, Tons, 2021



Figure 2.4-2 shows handled universal waste by county in California in 2021 in tons. The estimated total universal waste handled in California in 2021 was 78,310 tons. Figure 2.4-2 does not include battery information since county data is not available for batteries. Some facilities report electronic devices and/or PV modules by count rather than by weight. This figure only includes amounts reported by weight (tons).

### 2.4.1.1 Electronic Devices

An electronic device is identified as hazardous waste when “it either exhibits the characteristic of toxicity and/or is a listed hazardous waste.”<sup>57</sup> Electronic devices may contain materials – like toxic metals or polychlorinated biphenyls (PCBs) – that can pose a hazard to human health or the environment if managed incorrectly. Common examples of electronic devices include DVD players, computer central processing units (CPUs), and VCR players. Electronic devices become obsolete quickly as technology advances, so proper management of electronic waste is important to prevent release of toxic components into the environment.<sup>58</sup>

#### 2.4.1.1.1 Universal Waste Electronic Devices (UWED)

Universal waste generators, handlers/collectors, and recyclers submit notifications and annual reports to DTSC either through mail or electronically through the Universal Waste Electronic Devices (UWED) online system. Annual reports to DTSC include quantities of universal waste handled by a facility and, if applicable, the amount of waste the facility shipped to a destination. The waste types included in annual reports include electronic devices, including those that contain CRTs; bare CRTs; CRT glass; unspecified universal waste; metal<sup>59</sup>; and yokes.<sup>60</sup>

Universal waste handlers must submit annual reports if they generate 11,000 pounds or more of electronic devices, CRTs, and CRT glass collectively in a calendar year<sup>61</sup> or if they accept more than 220 pounds of electronic devices, CRTs, and CRT glass collectively from off-site sources in a calendar year.<sup>62</sup>

Annual reports submitted by mail or through UWED show the quantity of universal waste an individual facility handles and ships in a year, but they do not track waste from generation to destination. The amount of waste a facility handles may not be the same as the amount it ships to a destination.

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<sup>57</sup> Cal. Code Regs., tit. 22, §66260.10

<sup>58</sup> “E-Waste More Information.” *Dtsc.ca.gov*, State of California, [Website Link](#).

<sup>59</sup> Not universal waste but recorded in UWED.

<sup>60</sup> A part used in cathode ray tubes. Not universal waste but recorded in UWED.

<sup>61</sup> Cal. Code Regs., tit. 22, § 66273.32(d)(2)

<sup>62</sup> Cal. Code Regs., tit. 22, § 66273.32(d)(1)

Additionally, handlers can send universal waste to other handlers before the waste is ultimately sent to a destination facility. As such, merely summing the quantities of universal waste listed as handled in annual reports can potentially count the same waste multiple times. In order to get a more accurate estimate of the amount of universal waste handled, the HWMP team analyzed 2021 annual reports from the UWED online system to determine which facilities were only handlers, which facilities were listed as both handlers and destinations, and which were listed only as destinations. The team omitted waste quantities from facilities listed as both handlers and destinations in an attempt to estimate the quantity of waste handled once as opposed to multiple times.

An example of this is below:

**Example of a Facility that is Both a Handler and a Destination**

Handler Name	Handler Address	Type	Destination Name	Destination Address
Facility A	123 Main St.	Shipped-Domestic	Facility B	987 Elm St.
Facility B	987 Elm St.	Shipped-Domestic	Facility C	456 Example St.

In this simplified example, the handler at Facility A sent universal waste to a second handler at Facility B and recorded the quantity handled in its annual report. Facility B sent universal waste to Facility C and recorded the quantity handled in its annual report. Since handlers only report the total quantity generated or accepted and not the entities they received waste from, annual reports can include duplicate waste. To avoid possible double-counting, the HWMP team will omit the amount handled by Facility B when tallying the total amount of universal waste handled, because Facility B is listed as a handler and a destination, while Facility A is listed only as a handler and Facility C is listed only as a destination.

This method may result in an underestimate of the amount of universal waste handled in a year, because a facility that receives waste from another handler may also collect waste on its own. For example, Facility B received waste from Facility A but may have also collected universal waste directly from generators or the public. Conversely, summing the total amount of waste handled in one year without examining which facilities are listed as handlers, destinations, or both could result in an overestimation of the amount of universal waste handled in one year. This example shows the limitations of using annual reports and the UWED online system to estimate quantities of handled universal waste.

It is also important to note that information in the UWED online system may contain errors. Examples include but are not limited to: typographical errors; corporate offices

listed as destinations instead of facilities more likely to receive universal waste; and errors in address names, such as “road” instead of “street.” These typos may result in errors when mapping and comparing handler addresses with destination addresses. The HWMP team attempted to correct these errors, but some errors may still exist.

Another important error that may appear in the UWED online system is miscategorization of waste. Handlers may record their universal waste in the wrong category. For example, a handler may record a CRT device as an electronic device. While this type of error may not influence the estimated total weight of universal waste handled, it may influence the estimated weight of a category of universal waste.

Another important feature that may influence the data that appears in the UWED online system is whether a facility is in business when a report is pulled. Facilities can open, close, and reopen in the same year. The HWMP team pulls reports only on active facilities, but a facility that handled waste in the previous year may no longer be active when the team requests an annual report. The HWMP team pulled the UWED data used in this Report in March 2022.

#### 2.4.1.1.2 Handled Electronic Devices

It is difficult to establish an accurate estimate of the number of electronic devices handled in California in a given year, because electronic devices can be recorded in annual reports in two different ways – by weight or by sheer number of devices. Because electronic device weights vary greatly – a mobile phone versus a television, for example – there is no standard conversion from device count to weight, or vice versa.

Figure 2.4-3 shows handled electronic devices by county by weight. Of the 50,880 tons handled in California in 2021, handlers in Los Angeles County handled 9,560 tons (19%), handlers San Bernardino County handled 7,430 tons (15%), and handlers in Orange County handled 4,510 tons (9%). Table 2.4-2 shows the handled electronic devices by county in 2021 in tons.

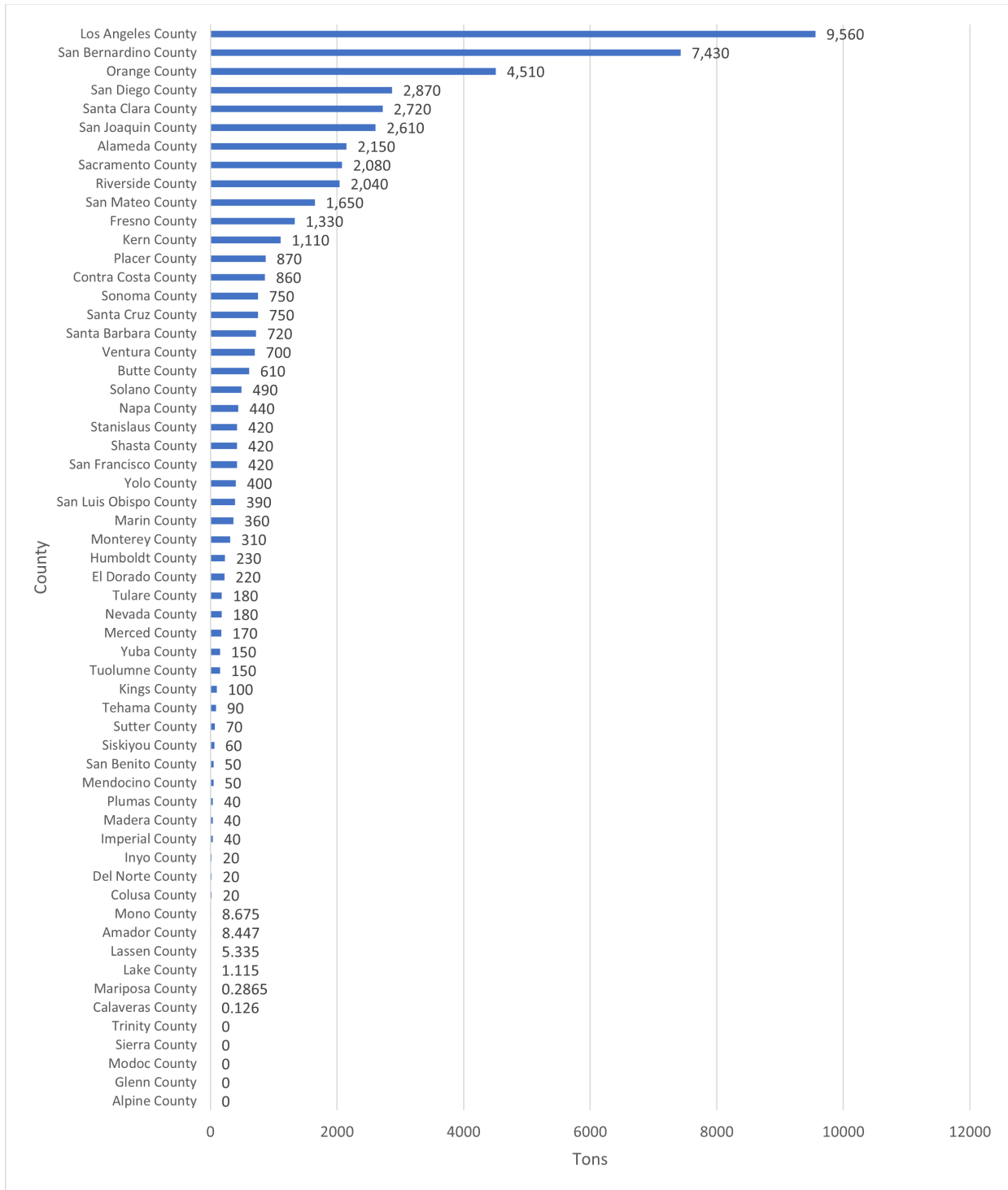
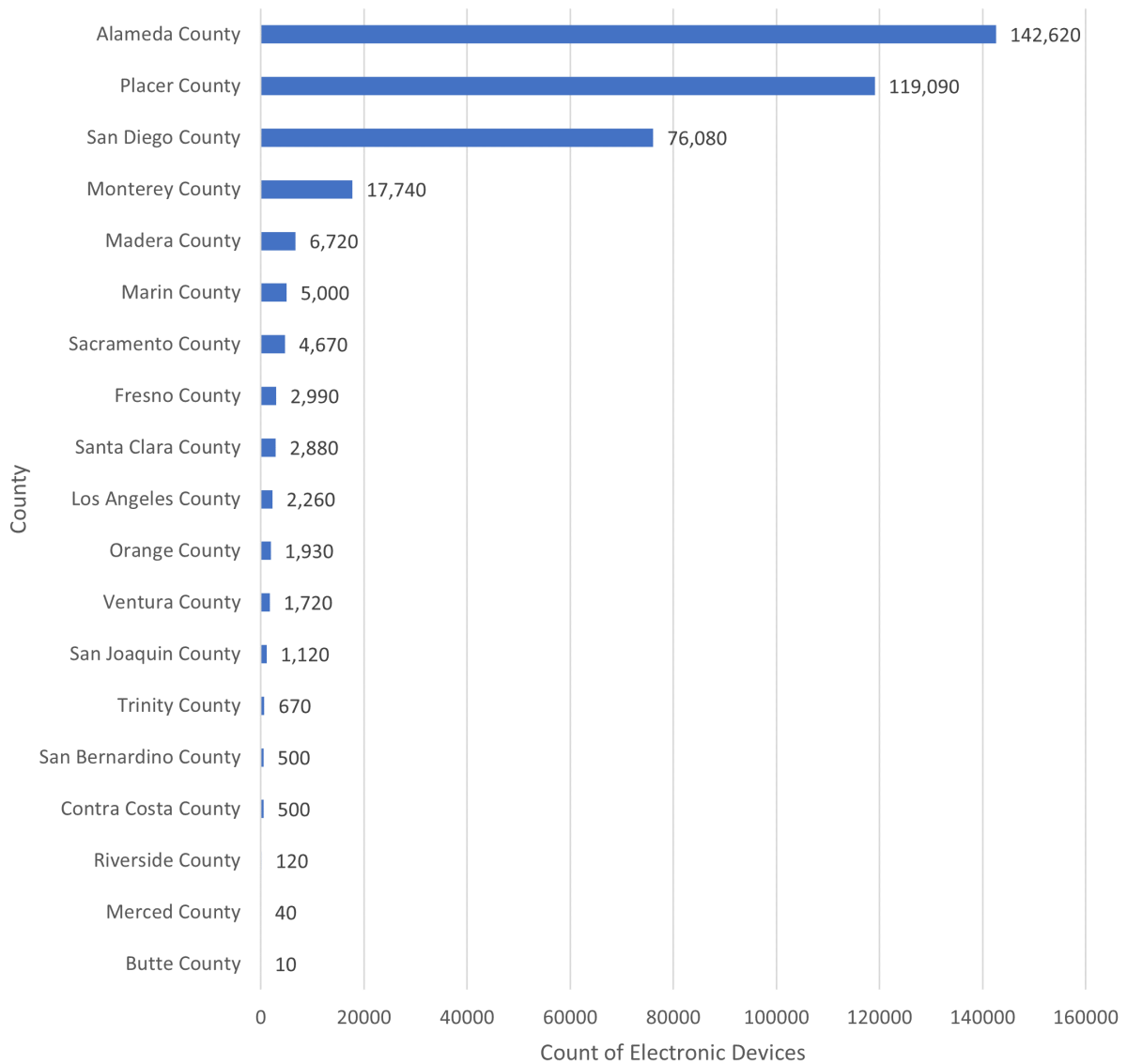


Figure 2.4-3: Handled Electronic Devices by County, Tons, 2021

Figure 2.4-4 shows handled electronic devices by county by count. Of the 386,660 devices handled in California in 2021, handlers in Alameda County handled 142,620 devices (37%), handlers in Placer County handled 119,090 devices (31%), and handlers in San Diego County handled 76,080 devices (20%). Table 2.4-2 shows handled electronic devices by county in California in 2021 by count.



*Figure 2.4-4: Count of Handled Electronic Devices by County, 2021*

### 2.4.1.1.3 CRT Devices

Electronic devices that contain a cathode ray tube are known as CRT devices. For the purposes of this Report, they are included as a subcategory separate from other electronic devices.

#### 2.4.1.1.3.1 Handled CRT Devices

Like electronic devices, CRT devices can be recorded in UWED either by weight or by sheer number of devices. Unlike with electronic devices, however, there is a standard conversion from CRT device count to weight – multiplying the number of devices by 50 pounds.<sup>63</sup> The conversion is used to account for the weight of yokes, metal, and CRTs that may be part of a CRT device.

Figure 2.4-5 shows handled CRT devices by county in 2021 in tons. Of the 14,210 tons of CRT devices handled in California in 2021, handlers in Los Angeles County handled 2,500 tons (18%), handlers in San Luis Obispo County handled 1,090 tons (8%), and handlers in Imperial County handled 1,060 tons (7%). Table 2.4-2 shows handled CRT devices by county in California in 2021 in tons.

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<sup>63</sup> Standard used by DTSC to represent the average weight of a CRT device.

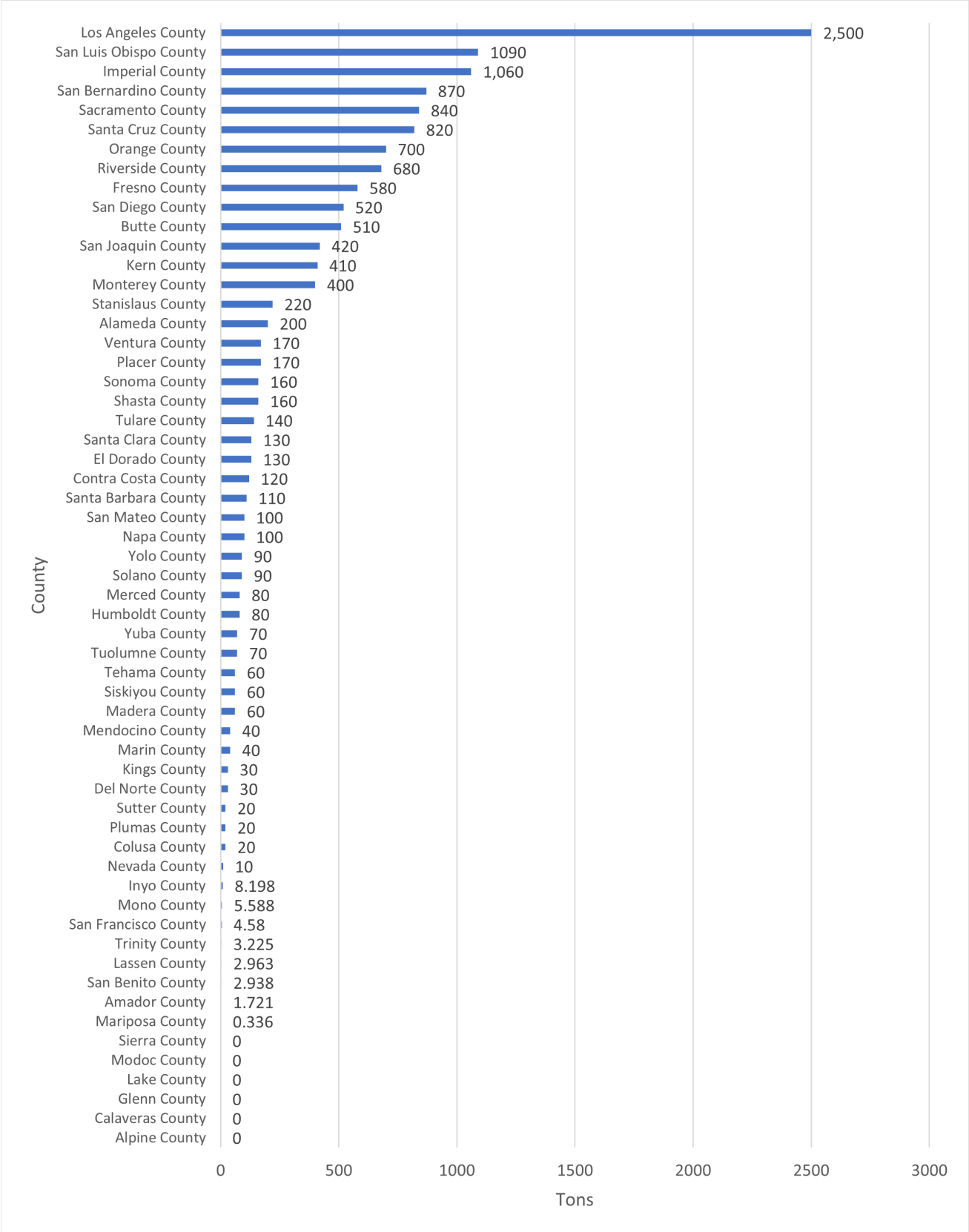


Figure 2.4-5: Handled CRT Devices by County, Tons, 2021

### 2.4.1.2 Cathode Ray Tubes (CRTs)

A CRT<sup>64</sup> is a vacuum tube that produces images and can be found in devices such as televisions. CRTs and CRT glass contain substances, like lead, that may pose a hazard to human health or the environment if managed incorrectly.

Advances in technology have led to greatly decreased demand for new CRT devices. In the past, recyclers were able to repurpose used CRTs and CRT glass for the manufacture of new CRTs.<sup>65</sup> But the demand for new CRTs has collapsed in favor of new flat panel technologies, and that decreased demand has created a stockpile of used CRTs and CRT glass.

Because of rising costs, negative economic incentives, and shifts in CRT glass markets, some CRT processors and recyclers are choosing to store the glass indefinitely rather than send it for recycling or disposal. This increases the risk of mismanagement and/or abandonment of CRTs.<sup>66</sup>

#### 2.4.1.2.1 Handled CRTs

CRTs can be recorded as a count or a weight in the UWED online system. CRTs can be converted from count to weight by multiplying the number of CRTs by 25 pounds.<sup>67</sup>

Figure 2.4-6 shows tons of handled CRTs by county in 2021. Of the 9,760 tons of CRTs handled in California in 2021, handlers in Imperial County handled 8,940 tons (92%), handlers in Los Angeles County handled 230 tons (2%), and handlers in Fresno County handled 140 tons (1%). Table 2.4-2 shows handled CRTs by county in 2021 in tons.

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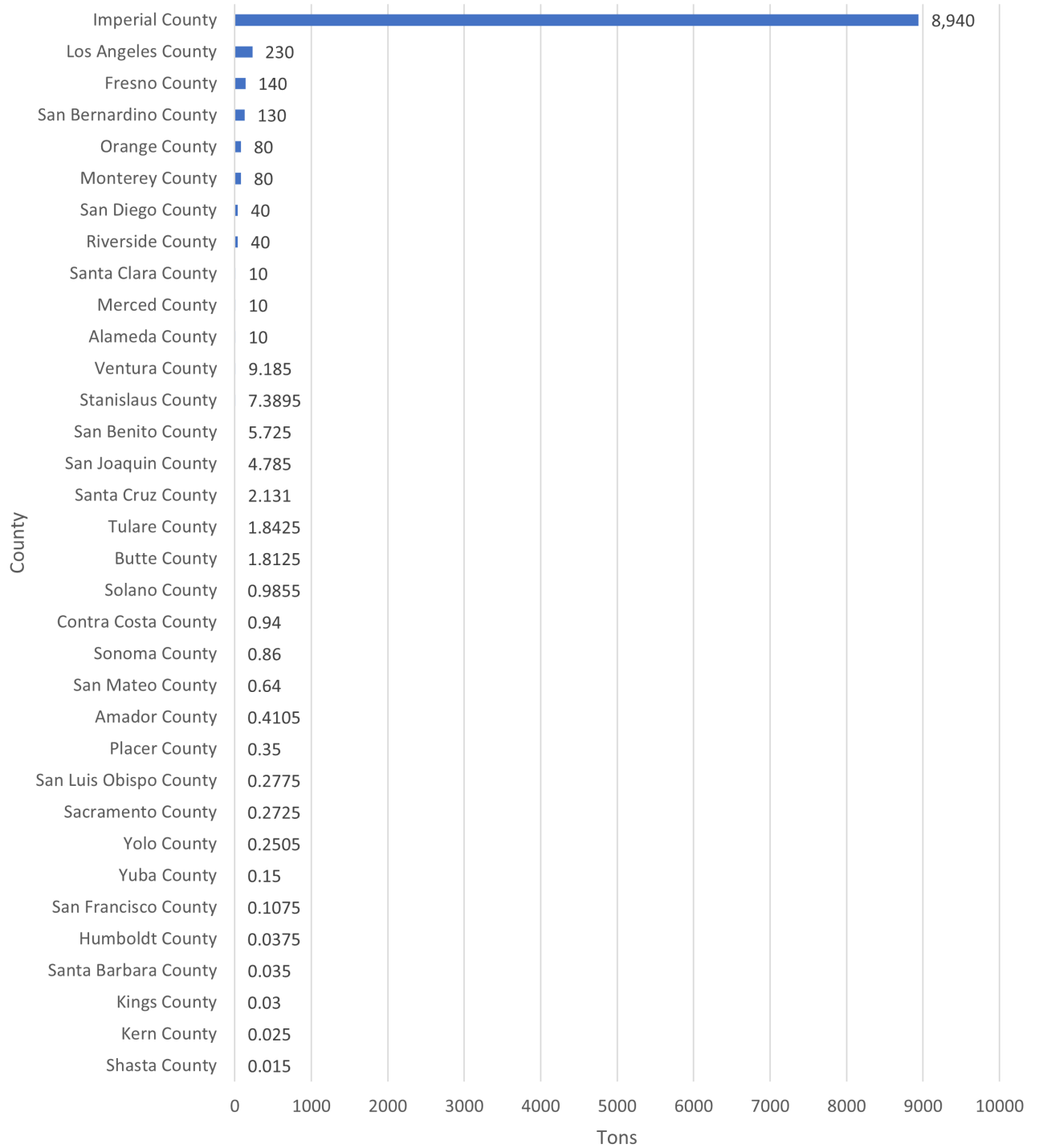
<sup>64</sup> Cal. Code Regs., tit. 22, §66260.10

<sup>65</sup> Chandler, David L. "CRTs Going down the Tubes? Hardly." *MIT News | Massachusetts Institute of Technology*, Massachusetts Institute of Technology, 2 Feb. 2010, [Website Link](#).

<sup>66</sup> IAITAM, Info. "The Dirty Problem of CRT Glass." *IAITAM*, International Association of Information Technology Asset Managers, Inc., 12 July 2021, [Website Link](#).

<sup>67</sup> Standard used by DTSC for the weight of a CRT.





**Figure 2.4-6: Handled CRTs by County, Tons, 2021**

### 2.4.1.3 CRT Glass

CRT glass is the glass from a CRT. Each CRT can contain up to 8 pounds of lead. Glass may come from a CRT because of treatment or accidental breakage.

#### 2.4.1.3.1 Handled CRT Glass

CRT glass is recorded in UWED by weight.

About 560 tons of CRT glass was handled in California in 2021, nearly all of it in Imperial County. Handlers in San Bernardino County, San Joaquin County, and Stanislaus County each handled less than one ton of CRT glass. Table 2.4-2 shows handled CRT glass by county in 2021 in tons.

### 2.4.1.4 Batteries

Batteries can contain corrosive chemicals and/or toxic metals that can cause harm to human health or the environment if managed incorrectly. Most consumer-type batteries are considered universal wastes. Examples of universal waste batteries include but are not limited to:

- AA batteries
- AAA batteries
- C cell batteries
- D cell batteries
- Rechargeable batteries
- Button batteries

Lead-acid batteries, such as the type found in motor vehicles, are not eligible to be managed as universal wastes.<sup>68</sup>

Assembly Bill (AB) 1125 enacted the California Rechargeable Battery Recycling Act of 2006. This bill was codified in Chapter 8.4 in the Public Resources Code. These statutes, require retailers to have a system in place to accept and collect used rechargeable batteries for reuse, recycling, or disposal. Retailers are not required to accept other kinds of universal waste batteries. Chapter 8.4 defines rechargeable batteries as small, nonvehicular, rechargeable nickel-cadmium, nickel metal hydride, lithium-ion, or sealed lead-acid batteries, or a battery pack containing these types of batteries.<sup>69</sup>

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<sup>68</sup> Management of spent lead-acid batteries can be found in Cal. Code Regs., tit. 22, § 66266.81

<sup>69</sup> AB 1125 2005. Assembly Bill (AB) 1125. Rechargeable battery recycling act. Available at: [Website Link](#). Accessed 18 Aug 2022

Chapter 8.4 also requires DTSC to survey battery handling or battery recycling facilities and to post the amount, by weight, of each type of rechargeable battery returned for recycling on the DTSC website. However, battery handling or battery recycling facilities are not required to respond to DTSC's survey.

The survey includes four types of rechargeable batteries:

- Lithium ion (Li-ion)
- Nickel-cadmium (Ni-Cd)
- Nickel metal hydride (Ni-MH)
- Small sealed-lead acid

Li-ion rechargeable batteries are often used in portable electronic devices, such as cell phones, digital cameras, and electronic cigarettes. Ni-Cd rechargeable batteries are often used in portable electronic devices, such as cordless phones, two-way radios, and cordless power tools. Ni-MH rechargeable batteries are found in older cell phones, some cordless power tools, and digital cameras. Small sealed-lead acid rechargeable batteries are found in mobility scooters, emergency lighting, and hospital equipment.

Review of the survey responses indicates there are four main limitations with rechargeable battery data:<sup>70</sup>

1. Some battery handlers and recyclers do not track the state from which the batteries are collected.
2. Batteries contained within electronic devices that are recycled are not counted separately but may represent a significant portion of the total quantity.
3. There may be duplicate data as some battery handlers collect batteries from other collection points.
4. California law does not require battery handlers or recyclers to report the number or weight of batteries collected for recycling.

Because the data is acquired through a survey, there is no way to determine whether information reported through the survey is accurate.

Additional data gaps from battery collection include:

- Battery handlers and recyclers do not report the county where batteries are collected.
- Battery handlers and recyclers do not report what happens to the batteries after collection.

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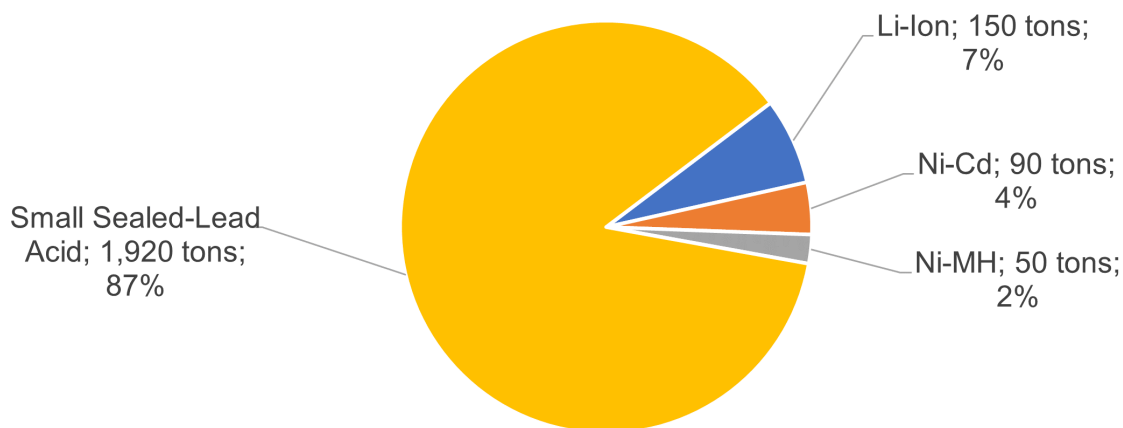
<sup>70</sup> "How Is California Doing with Recycling Rechargeable Batteries?" *Dtsc.ca.gov*, State of California, 29 Aug. 2022, [Website Link](#).

- Only rechargeable batteries are tracked; the DTSC survey does not track other universal waste type batteries.

The quantity of batteries collected per year, as reported through the survey, is likely an underestimate since battery handlers or recyclers are not required to report the number or weight of batteries collected for recycling. While a change to existing statute could make the survey mandatory, other limitations listed above may limit the usability of the collected data. For example, if both handlers and recyclers are required to respond to the survey, duplication of data will likely increase because a handler and a recycler may record the same set of batteries. Other limitations, such as a lack of county data, are unlikely to be solved by statutory or regulatory changes. Changes would also require time to implement and may require additional resources, such as personnel and funding for enforcement or data management.

#### 2.4.1.4.1 Handled Batteries

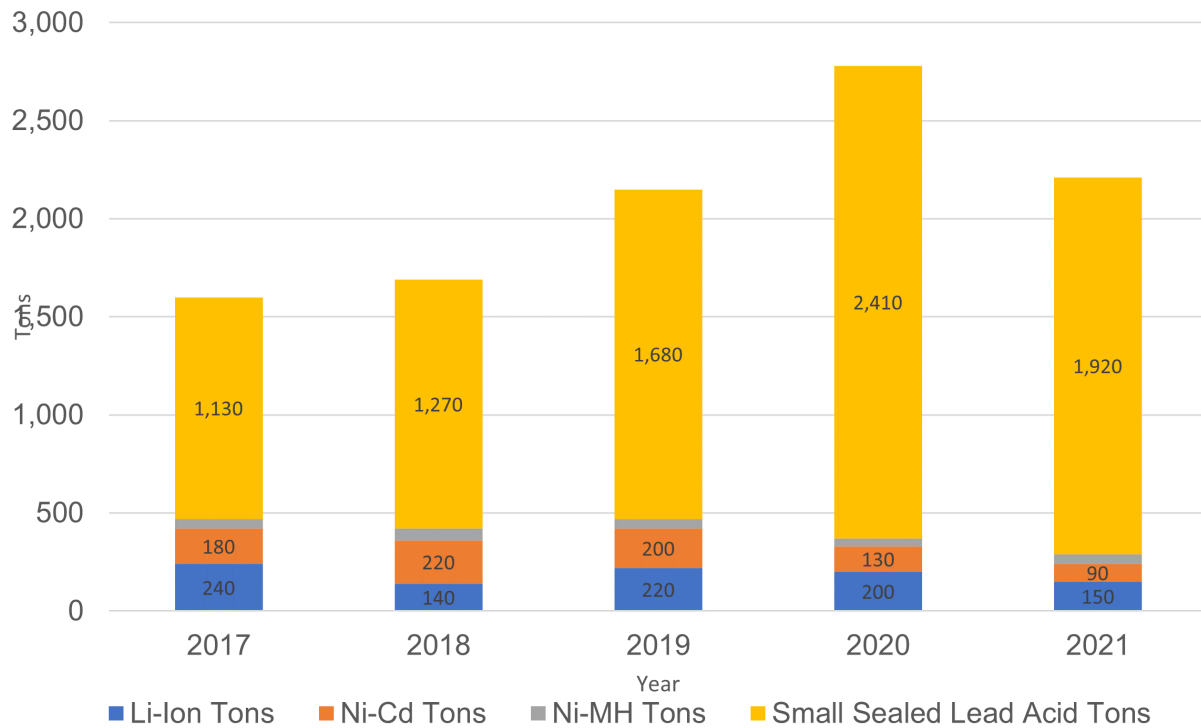
Figure 2.4-7 shows handled batteries by type in 2021 in tons. Handlers collected approximately 2,210 tons of batteries in California in 2021. The vast majority of batteries collected – 87 percent – were small sealed-lead acid batteries, followed by Li-ion, Ni-Cd, and Ni-MH batteries. Table 2.4-3 shows handled batteries by type in 2021 in tons.



*Figure 2.4-7: Handled Batteries by Type, Tons, 2021*

Figure 2.4-8 shows handled batteries by type in tons from 2017 to 2021. Small sealed-lead acid rechargeable batteries were consistently the most-collected battery type, according to the DTSC rechargeable battery survey. Ni-MH rechargeable batteries are consistently the least collected battery type. There was an increase in battery collection

from 2017 to 2020, followed by a decrease in battery collection in 2021. Table 2.4-3 shows handled batteries by type from 2017-2021.



*Figure 2.4-8: Handled Batteries by Type, Tons, 2017-2021*

Figure 2.4-9 shows handled batteries by type in tons from 2017 to 2021 with small sealed-lead acid batteries removed. The intent of this graph is to better show the trends in the three less-collected battery types – Li-ion, Ni-Cd, and Ni-MH batteries. In 2017, 2019, 2020, and 2021, Li-ion batteries were the most-collected of these three types. In 2018, Ni-Cd rechargeable batteries were the most-collected of the three.



*Figure 2.4-9: Handled Batteries by Type – Small Sealed-Lead Acid Batteries Omitted, Tons, 2017-2021*

### 2.4.1.5 Lamps

Lamps are defined in Cal. Code Regs., tit. 22, § 66273.9 as the bulb or tube portion of an electric lighting device. Universal waste lamps include lamps that exhibit a characteristic of hazardous waste, mercury-added lamps that meet the listing description in M003 in section 66261.50, and/or products that contain lamps and/or mercury-added lamps.

Cal. Code Regs., tit. 22, § 66273.5(c) describes how lamps become a waste. A used lamp becomes a waste on the day it is discarded. An unused lamp that is not a retrograde material<sup>71</sup> becomes a waste on the day it is discarded. An unused lamp that

<sup>71</sup> Per Cal. Code Regs., tit. 22, § 66260.10, a retrograde material is “any hazardous material which is not to be used, sold, or distributed for use in an originally intended or prescribed manner or for an originally intended or prescribed purpose and which meets any one or more of the following criteria: has undergone chemical, biochemical, physical or other changes due to the passage of time or the environmental conditions under which it was stored; has exceeded a specified or recommended shelf life; is banned by law, regulation, ordinance or decree; cannot be used for reasons of economics, health or safety or environmental hazard.”

is a retrograde material becomes a waste on the day it becomes a recyclable material. Examples of universal waste lamps include:<sup>72</sup>

- Fluorescent light tubes and bulbs
- High intensity discharge lamps
- Metal halide lamps
- Sodium lamps
- Neon bulbs

Universal waste lamps may contain mercury vapor that can be released to the environment if managed incorrectly and can cause harm to human health and/or the environment.

The quantity of generated universal waste lamps is not available for this report as of 2022. Some universal waste lamp data is collected through household hazardous waste collection information, but this does not include all electric lamp waste and is likely an underestimate. Information on universal waste lamp data reported through household hazardous waste collection can be found in section 2.2.2.1, Handled Household Hazardous Waste.

#### 2.4.1.6 Mercury-Containing Equipment

Some mercury-containing wastes must be managed as fully-regulated hazardous waste. Mercury-containing equipment that may be managed as universal waste includes the following:

- Mercury thermometers
- Mercury-containing motor vehicle light switches
- Non-automotive mercury switches
- Dental amalgam
- Mercury pressure or vacuum gauges
- Mercury-added novelties
  - With mercury batteries
  - Painted with mercury-containing paint
  - With liquid mercury
  - With mercury switches
- Mercury counterweights and dampers
- Mercury-added dilators and weighted tubing
- Mercury-added rubber flooring
- Mercury gas-flow regulators

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<sup>72</sup> "Universal Waste for Residents – Fluorescent Lamps." *Dtsc.ca.gov*, State of California, [Website Link](#).

Assembly Bill (AB) 707<sup>73</sup> enacted a recast of the existing Mercury Thermostat Collection Act of 2008 to the Mercury Thermostat Collection Act of 2021. This bill was codified in the Health and Safety Code. These statutes require manufacturers to retain or contract with a qualified third party by March 1, 2022, to “develop and implement a convenient, cost-effective, and efficient program” to “collect, handle, and arrange for the appropriate management of out-of-service mercury-added thermostats.” These statutes also require that for 90 percent of California’s residents, a collection location must be within 15 miles of their residence. Each county must have at least one collection location, “unless there is no location in the county that is required to participate under the Act or willing to participate voluntarily.” By July 1, 2022, the third party was required to develop and implement a statewide educational and outreach campaign, which was to include the following:

- Importance of safe recycling and disposal of out-of-service mercury-added thermostats
- Where and how to access thermostat collection locations
- How to access available thermostat collection incentives
- Coordination of program activities with stakeholders
- Creation and distribution of information materials
- A publicly accessible internet website
- Thermostat collection incentives to consumers

The obligations imposed by the Mercury Thermostat Collection Act of 2021 will remain in effect until January 1, 2030.

For this section of this Report, the HWMP team gathered information on mercury collection from one third party collector that collects mercury-containing thermostats and loose switches from business. The third party mercury collector sends collection boxes to businesses. Individuals drop off thermostats and loose switches to the businesses. Once the collection box is full or the one-year storage time period is reached,<sup>74</sup> the collection box is sent to a facility to process the mercury within the thermostats and loose switches.<sup>75</sup>

The information used for this Report was accessed through requestable online reports from the third party’s website. The third party mercury collector reports its collection information on its website through requestable online reports.

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<sup>73</sup> AB 707 2021. Assembly Bill (AB) 707. Mercury Thermostat Collection Act of 2021. Available at: [Website Link](#). Accessed 19 Aug 2022

<sup>74</sup> Cal. Code Regs., tit. 22, § 66273.35(a)

<sup>75</sup> “TRC Training Video for HVAC Wholesalers & Other Collection Locations.” *YouTube*, YouTube, 29 Apr. 2013, [Website Link](#). Accessed 26 Sept. 2022.



#### 2.4.1.6.1 Handled Mercury-Containing Equipment

In 2021, the third party mercury collector's stewardship program collected about 120 pounds<sup>76</sup> of mercury from thermostats and loose switches. This equates to about 0.06 tons of mercury.

Figure 2.4-10 shows handled mercury by county in 2021 in tons. About 120 pounds, or .06 tons, of mercury was collected from thermostats and loose switches in California in 2021. Riverside County handlers reported the most mercury collected from thermostats and loose switches in 2021 at 0.0169 tons (28%), followed by Los Angeles County handlers at 0.0121 tons (20%) and Fresno County handlers at 0.0054 tons (9%). Table 2.4-2 shows tons of mercury handled by county in 2021.

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<sup>76</sup> 1 pound is about 453 grams, and each switch contains about 4 grams of mercury.

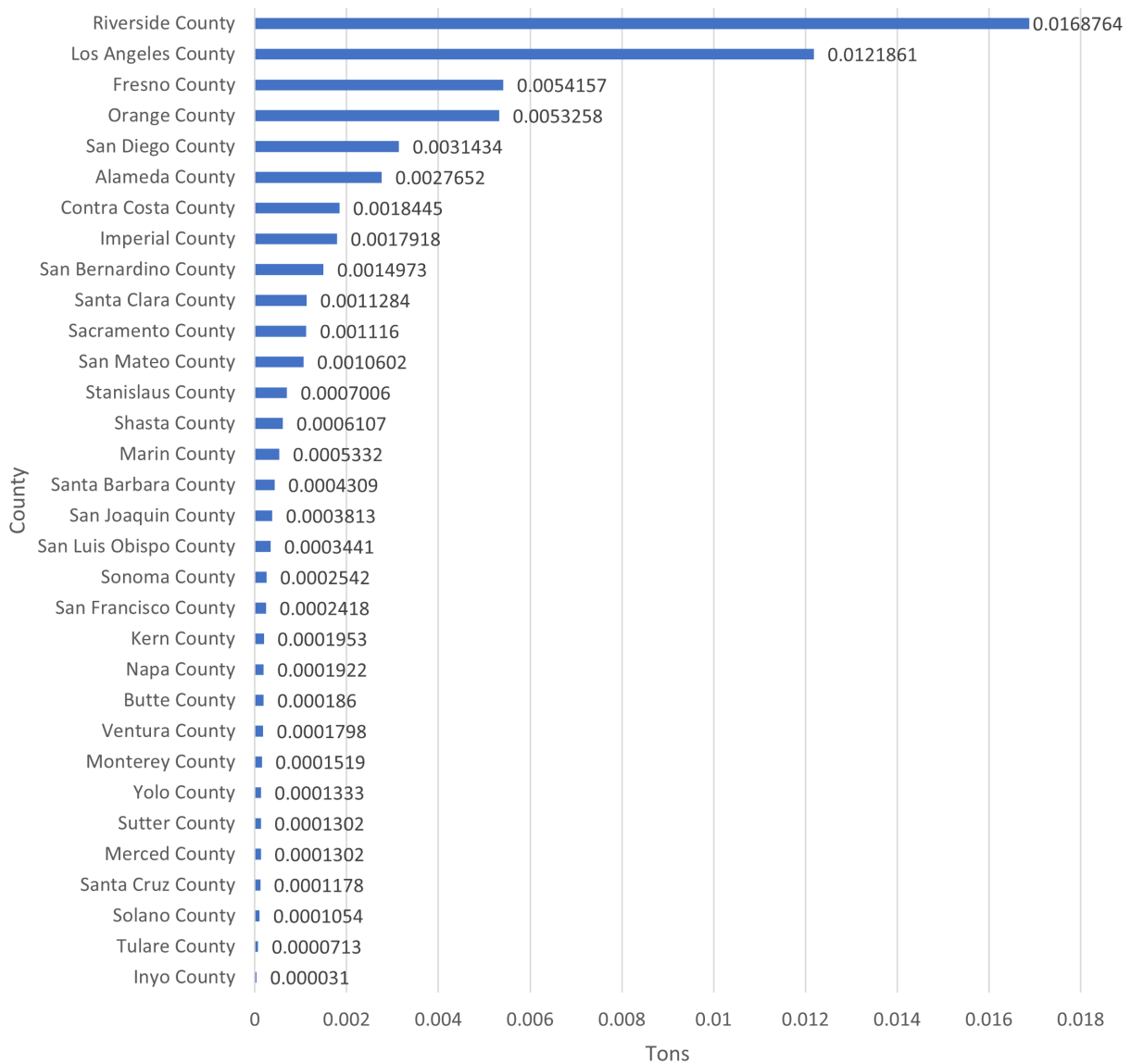


Figure 2.4-10: Handled Mercury by County, Tons, 2021

### 2.4.1.7 Non-Empty Aerosol Cans

Non-empty aerosol cans may contain a variety of hazardous materials, such as toxic or ignitable materials. Provided they are not a RCRA-regulated hazardous waste, aerosol containers that are emptied of contents and propellant to the maximum extent practical under normal use are exempt from regulation under division 4.5 of the California Code of Regulations and Chapter 6.5 of division 20 of the Health and Safety Code.<sup>77</sup>

<sup>77</sup> Cal. Code Regs., tit. 22, § 66261.7(m)(1)

The quantity of non-empty aerosol cans that qualify as generated universal waste is not available for this Report as of 2022. Some aerosol can data is collected through household hazardous waste collection information, but this does not include all aerosol can waste and is likely an underestimate of the total amount handled in 2021. Information on aerosol can data reported through household hazardous waste collection can be found in section 2.2.2.1 of this Report, Handled Household Hazardous Waste.

#### 2.4.1.8 Photovoltaic Modules

A PV module is a device consisting of or containing one or more electrically connected photovoltaic cells that are designed to convert solar radiation into electrical energy.<sup>78</sup> The term “PV module” includes the components of the module that cannot be removed without breaking the module’s glass. PV modules come in different sizes and can be made using a variety of materials. PV modules include, but are not limited to, solar panels and products that contain solar panels, such as solar-powered garden lights or solar powered backpacks.<sup>79</sup>

Per the California Energy Commission, the 2019 Building Energy Efficiency Standards require newly constructed low-rise residential buildings to have a solar PV system. According to the United States Office of Energy Efficiency & Renewable Energy, PV modules have an estimated life span of about 30 to 35 years.<sup>80</sup> Based on this information, there will likely be an increase in the amount of solar panel waste entering the waste stream in approximately 30-35 years – about 2050-2055. There is currently limited national recycling capacity for solar panels.

Handlers of PV modules submit an annual report to DTSC that includes the quantity of PV modules handled by a facility by either count or weight, the destination the modules were sent to, and how the modules were managed once sent to a destination. The PV module report is best suited to determining how much universal waste a facility handled in a given time period instead of determining the total quantity of PV modules handled annually.

Some facilities in the PV module report are listed as both handlers and destinations. In order to estimate how many modules were handled without counting potential duplicate waste, the HWMP team omitted quantities from facilities listed as both a handler and a destination in an attempt to estimate the quantity of modules handled once as opposed to multiple times.

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<sup>78</sup> Cal. Code Regs., tit. 22, §66260.10

<sup>79</sup> “Photovoltaic (PV) Modules (Including Solar Panels) Universal Waste Management – Frequently Asked Questions.” *Dtsc.ca.gov*, State of California, [Website Link](#).

<sup>80</sup> “End-of-Life Management for Solar Photovoltaics.” *Energy.gov*, U.S. Department of Energy, [Website Link](#).

Facilities may report handled PV modules to DTSC by either count or weight. There is not a conversion factor between count and weight, because PV modules can be made of a variety of materials, come in a variety of sizes, and may include wastes that contain PV modules, such as solar-powered garden lights.

Some facilities reported handling a weight of panels but reported sending a count of panels to a destination. For example, a facility reported handling 17,000 pounds of PV modules but reported sending about 280 panels to a destination. The variance in reporting created some difficulty in calculating an estimate of PV modules handled.

### 2.4.1.8.1 Handled Photovoltaic Modules

Figure 2.4-11 shows the handled PV modules by county in California in 2021 in tons. About 690 tons of PV modules were handled by California handlers in 2021. Handlers in Fresno County handled 120 tons (17%), handlers in Kern County handled 90 tons (13%), and handlers in Sacramento County handled 70 tons (10%) of PV modules. Table 2.4-2 shows tons of PV modules handled by county in 2021.

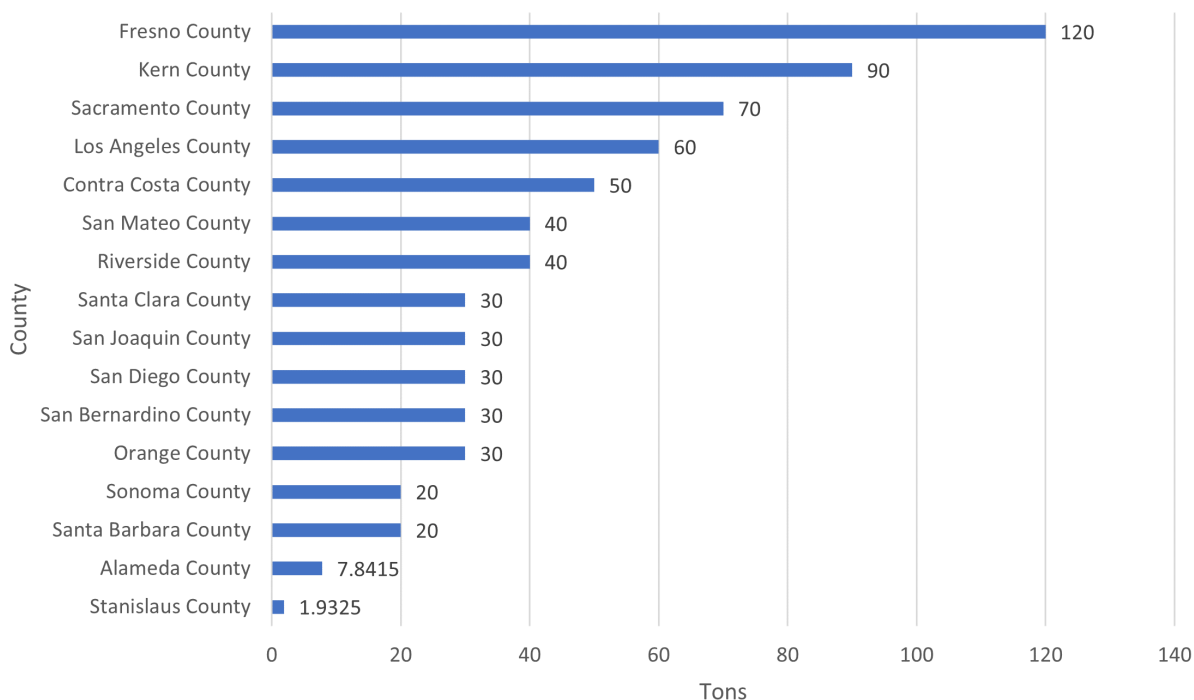


Figure 2.4-11: Handled PV Modules by County, Tons, 2021

For facilities reporting PV modules by count rather than by weight, handlers in California handled about 340 modules in 2021. Handlers in Los Angeles County handled about 250 modules (74%), and handlers in Butte County handled about 80 modules (24%).

## 2.4.2 Household Hazardous Waste (HHW)

Household hazardous waste is hazardous waste generated by households and very small businesses.<sup>81</sup> Household hazardous waste collection allows for households and some small businesses to drop off their hazardous waste at a collection facility, which properly manages the hazardous waste.

Households have simplified hazardous waste requirements in order to allow for proper management of small quantities of hazardous waste. Households do not require an EPA ID number,<sup>82</sup> may transport up to 5 gallons or 50 pounds of hazardous waste to a HHW collection facility,<sup>83</sup> and do not require a manifest when transporting hazardous waste to a HHW collection facility.<sup>84</sup>

Public agencies responsible for household hazardous waste management report collection data to the Department of Resources Recycling and Recovery (CalRecycle).<sup>85</sup> Public agencies use CalRecycle's Form 303 to submit their data.<sup>86</sup> Household hazardous waste collection and disposition information is available on CalRecycle's household hazardous waste website.<sup>87</sup>

Household hazardous waste collection data is not combined with data from other sections in this Report, such as electronic devices, because facilities may submit their handled waste in multiple databases. While some household waste appears in HWTS under State Waste Code 612, HWTS does not have the same level of detail that is available with CalRecycle's Form 303 data. CalRecycle's Form 303 also captures a larger quantity of household hazardous waste than HWTS because HWTS only captures manifested waste.

### 2.4.2.1 Handled Household Hazardous Waste

Approximately 65,020 tons of household hazardous waste was collected in California in the 2020-2021 reporting period. Facilities in Plumas County, Mendocino County, and Colusa County did not report any HHW collection for 2020-2021. According to a representative of CalRecycle, this may have been due to COVID-19-related staffing shortages, or collection may have occurred in a different county. Some facilities collected waste for multiple counties, so these counties are reported together.

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<sup>81</sup> A "small business" would be considered a conditionally exempt small quantity generator (CESQG). California did not adopt the Code Fed. Regs., tit. 40, § 261.5 conditional exemption for smaller quantity generators.

<sup>82</sup> Cal. Code Regs., tit. 22, § 66262.12

<sup>83</sup> HSC § 25218-5.1

<sup>84</sup> HSC § 25218

<sup>85</sup> Cal. Code Regs., tit. 14, § 18751.2

<sup>86</sup> Cal. Code Regs., tit. 14, § 18751.1

<sup>87</sup> <https://calrecycle.ca.gov/homehazwaste/reporting/>

Figure 2.4-12 shows the handled HHW by county in California in 2020-2021 in tons. 65,020 tons of HHW was collected in the 2020-2021 reporting period. Los Angeles County handlers reported the most collected HHW at 14,850 tons (23%), followed by Orange County collectors at 5,820 tons (9%) and Alameda County collectors at 3,240 tons (5%). Universal waste constituted 33,350 tons (51%) of the total HHW collected. Table 2.4-4 shows handled HHW by county in 2020-2021 in tons.

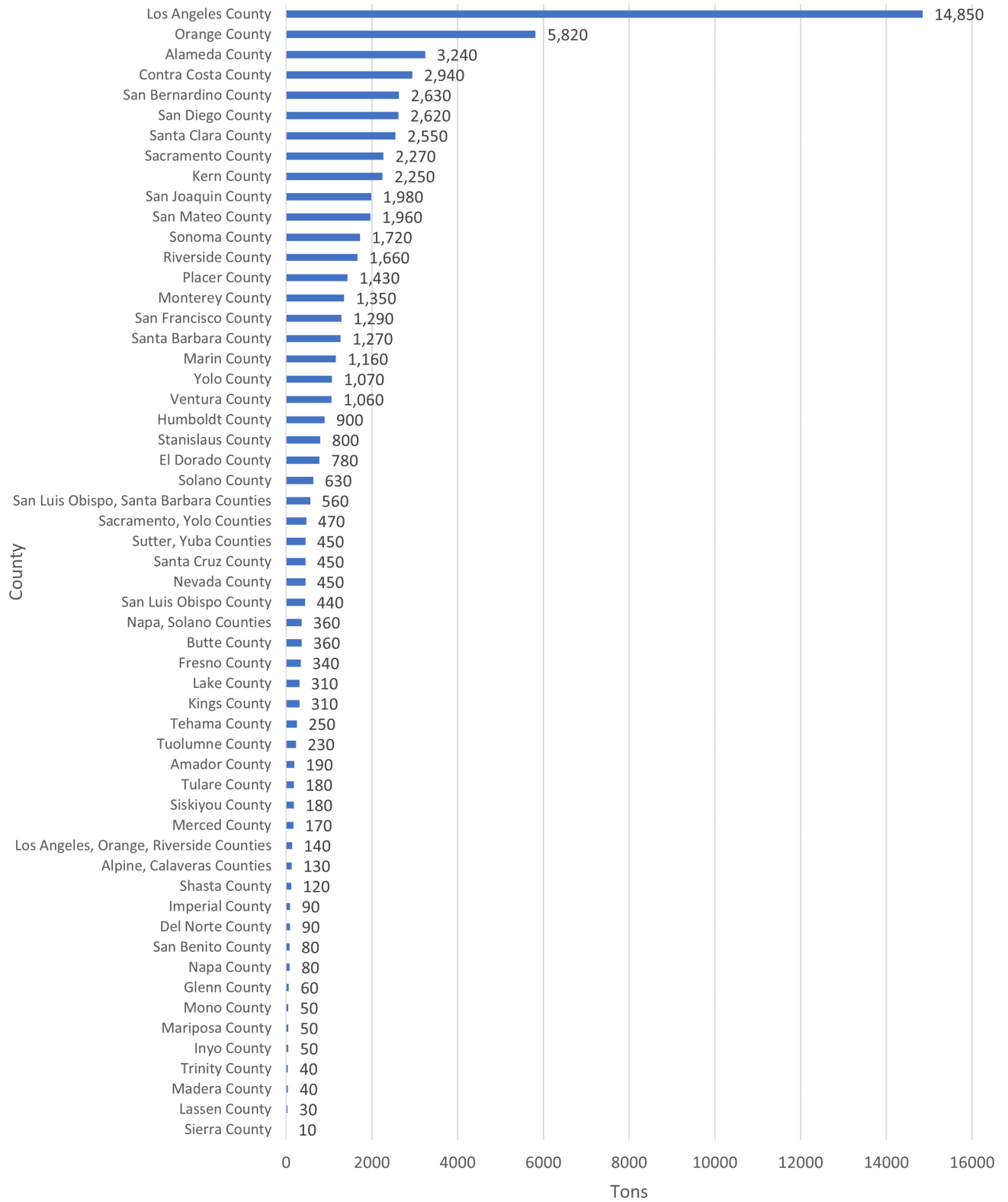


Figure 2.4-12: Handled HHW by County, Tons, 2020-2021

Figure 2.4-13 shows handled HHW by category in the 2020-2021 reporting period in tons. About 65,020 tons of HHW was collected in 2020-2021. Electronic devices, which are a type of universal waste, were the most-collected type of HHW at 29,320 tons (45%). Other types of universal waste represented 4,030 tons (6%). Reclaimable<sup>88</sup> materials, which are materials processed to recover usable products or regenerated, represented 15,660 tons (24%). Table 2.4-5 shows handled HHW by category in 2020-2021 in tons.

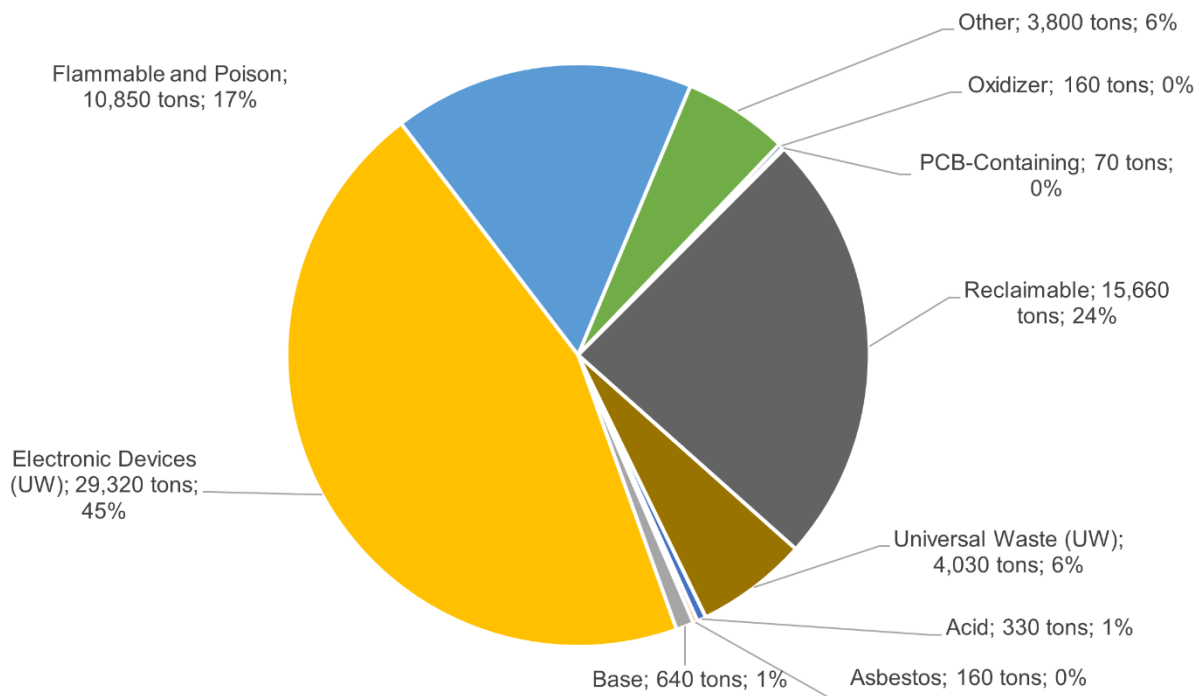
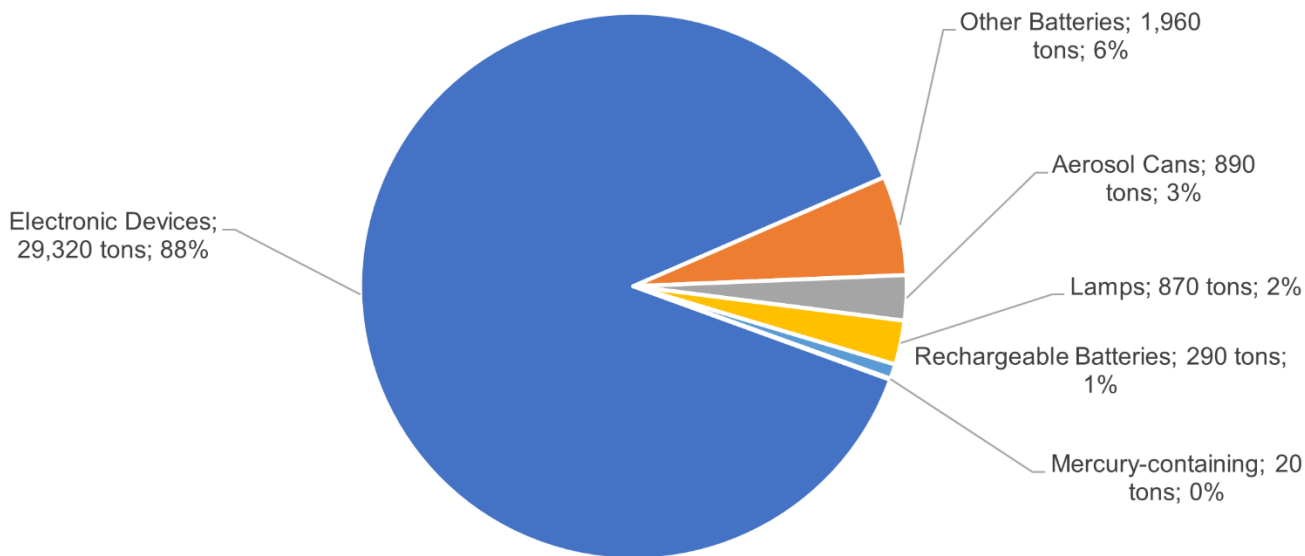


Figure 2.4-13: Handled HHW by Category, Tons, 2020-2021

Figure 2.4-14 shows handled universal waste collected through HHW collection programs in California by category in 2020-2021 in tons. Approximately 33,350 tons of universal waste was collected by HHW collection programs. Universal waste represented 51 percent of the collected HHW. Table 2.4-6 shows handled Universal Waste collected through HHW collection programs by category in tons in 2020-2021.

<sup>88</sup> Cal. Code Regs., tit. 22, § 66260.10





*Figure 2.4-14: Handled Universal Waste Through HHW Collection, Tons, 2020-2021.*

Figure 2.4-14 does not include handled PV modules due to the low quantity collected.

HHW collection includes collection data for aerosol cans and lamps, which are two universal waste types that do not have available quantity information. Aerosol can collection made up about 890 tons (3%) of the universal waste portion of HHW collection and about one percent of the total HHW collected in 2020-2021. Lamp collection represented about 870 tons (2%) of the universal waste portion of HHW collection and about one percent of the total HHW collected in 2020-2021.

Electronic devices made up about 29,320 tons (88%) of the universal waste portion of HHW collection and about 45 percent of the total HHW collected in the 2020-2021 reporting period.

Less than one ton of PV modules were collected through HHW collection.

Figure 2.4-15 shows handled reclaimables<sup>89</sup> collected through HHW collection programs in 2020-2021 in tons. With about 15,660 tons collected, reclaimables represented 24 percent of the total. Latex paint was the most-collected reclaimable at 11,790 tons (75%). This represented 18 percent of the total HHW collected. Motor oil and products were the second most-collected reclaimable at 1,970 tons (13%) and represented three percent of the total HHW collected. Auto-type batteries constituted about 1,230 tons

<sup>89</sup> Materials that are processed to recover a usable product or are regenerated.

(8%) and represented two percent of the total HHW collected. Used oil filters were the least-collected reclaimable in the 2020-2021 reporting period at 130 tons (1%). Table 2.4-7 shows handled reclaimables by type collected through HHW collection programs in 2020-2021 in tons.

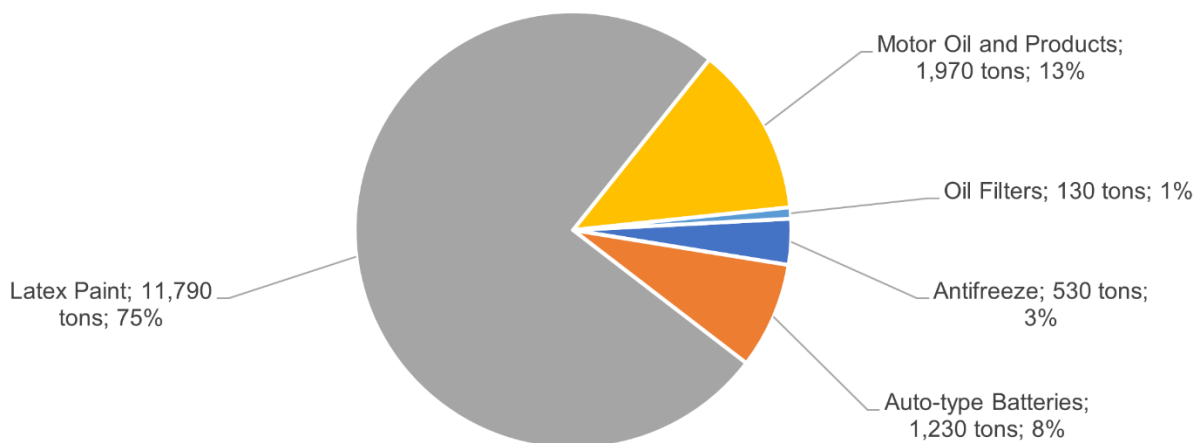


Figure 2.4-15: Handled Reclaimables Through HHW Collection, Tons, 2020-2021

### 2.4.3 Treated Wood Waste

Treated wood is wood that has gone through a treatment process with chemical preservatives to protect the wood against pests and environmental conditions. Preservatives used to treat wood may include arsenic, chromium, copper, pentachlorophenol, and creosote.<sup>90</sup>

Non-RCRA hazardous treated wood waste has alternative management standards designed to encourage safe and economical disposal. These alternative standards include lessened storage requirements and extended accumulation periods. They also allow treated wood waste to be shipped without a hazardous waste manifest and a hazardous waste hauler, and they allow for disposal at specific non-hazardous waste landfills.

These alternative management standards were briefly abolished between December 31, 2020, and August 31, 2021, due to a veto of Senate Bill 68 in 2020. The lapse in standards created issues for generators, homeowners, landfills, and DTSC. Generators of treated wood waste had to arrange for Class I disposal or find alternatives, likely

<sup>90</sup> "Treated Wood Waste (TWW)." *Dtsc.ca.gov*, State of California, [Website Link](#).

increasing their costs. During this lapse, DTSC granted variances allowing applicants to dispose of treated wood waste in certain landfills. This created burdens for generators and DTSC alike including resource impacts and disposal delays. The lapse in alternative management standards also created concerns about illegal dumping because landfills no longer accepted treated wood waste. The passage of Assembly Bill 332 in 2021 restored the alternative management standards, eliminating the need for variances and the associated DTSC workload.

Treated wood waste facilities and landfills that accept treated wood waste submit semiannual reports to DTSC using the Treated Wood Waste Tracking System. DTSC makes the information in the submitted semiannual reports available to the public, with the exception that “the Department shall not disclose the association between any specific treated wood waste handlers and specific facilities. The list of treated wood waste handlers served by a facility shall be deemed to be a trade secret and confidential business information.”<sup>91</sup> Because of this, handler information for treated wood waste is not available for this Report.

Generated treated wood waste that is tracked by a manifest can be found in the Hazardous Waste Tracking System (HWTS) using State Waste Code 614 and is discussed in section 2.1, Manifested Waste. This is likely an underestimate of the amount of generated treated wood waste because treated wood waste does not require a manifest, and HWTS does not track unmanifested hazardous waste.

#### 2.4.4 Used Oil Filters

Used oil filters are considered a non-RCRA hazardous waste because they may contain lead, other heavy metals, and petroleum derived compounds. DTSC adopted reduced handling requirements in order to encourage recycling of drained used oil filters. If they are not sent for recycling, used oil filters are a hazardous waste and must be managed as a fully regulated hazardous waste.<sup>92</sup>

An estimate of the quantity of used oil filters generated annually is not available. However, CalRecycle’s Form 303 data includes some of this quantity under its “Reclaimables” category. Generation data for reclaimable material recorded through Form 303 is in section 2.4.2.1, Handled Household Hazardous Waste.

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<sup>91</sup> HSC § 25173 and Cal. Code Regs., tit. 22, § 66260.2

<sup>92</sup> “Managing Used Oil Filters for Generators.” *Dtsc.ca.gov*, State of California, Nov. 2008, [Website Link](#).

## 2.4.5 Discussion

One of the most important steps in the management of hazardous waste is proper identification of hazardous waste. First, it must be determined whether a material is actually waste or is a material that could be used for another purpose or recycled. Then it must be determined whether the waste is excluded from classification as a hazardous waste or exempt from management as a hazardous waste. If the waste is not excluded or exempt, it must be determined whether it is identified as hazardous because it exhibits a characteristic of a hazardous waste or appears on an authoritative list of hazardous wastes. Making these determinations is a very complex task.

The individual or entity that generated the waste is responsible for making these determinations because that entity is most knowledgeable about the waste and is in the best position to make an accurate identification. Once a waste is determined to be a hazardous waste, the entity that generated it is then responsible for ensuring the waste is managed appropriately as a hazardous waste.

### 2.4.5.1 Waste Reduction Efforts

Hazardous waste management follows a general hierarchy, with source reduction as the highest priority, followed by recycling and reuse, treatment, and disposal. Source reduction prevents hazardous waste from being generated in the first place.

This Report does not attempt to quantify the amount of source reduction that occurs in California. However, historical information from past source reduction efforts provides some evidence for the amount of source reduction occurring in California. More current information may be available in databases like the U.S. EPA Toxic Release Inventory (TRI), and DTSC recommends conducting research in this area in the future. However, TRI and other databases do not separate hazardous wastes from other types of waste. As a result, it is challenging to quantify the information related specifically to hazardous waste source reduction.

This Report also considers the roles that waste treatment and recycling/reuse can play in waste reduction. In general, treatment and recycling reduce the quantity of waste that is identified as hazardous; however, it is challenging to gather reliable information on any resulting waste reduction. To some extent this information can be found in CERS, but it is challenging to separate what would be considered hazardous wastes from other types of waste. An ongoing DTSC review of generator treatment and recycling activities demonstrates that a large quantity of waste is treated and recycled in California. The review estimates that at least 2.7 billion gallons of California waste was recycled or treated on site in 2021, which equates to an estimated 11 million tons. This is a significant quantity when compared to the less than two million tons of hazardous that is manifested annually.

Hazardous waste recycling and treatment can either occur at the location where it is generated (on site) or off site. Off-site treatment occurs at hazardous waste management facilities like permitted treatment, storage, and disposal facilities (TSDFs)

and is discussed further in Section 3 of this Report. Research regarding the amount of waste treated and recycled on site is ongoing. As of May 2023, DTSC had completed review of about one-third of the generators that indicated they had treated or recycled waste on site in 2021.

DTSC recommends exploring additional opportunities for decreasing the amount of hazardous waste shipped offsite through source reduction, on-site recycling, and on-site treatment. A potential area of future work for the Plan to consider is a review of California's requirements for on site waste treatment, as well as the exclusions that exist for waste recycling and reuse. Review of these items will help determine where current requirements may limit the amount of waste that necessitates shipments of these wastes to TSDFs.

#### 2.4.5.2 Considerations for Waste Stream Prioritization of Manifested Hazardous Waste

Because waste streams vary greatly, prioritizing reductions in some waste streams will likely have a greater impact than others. There are many factors to consider, including the sheer size of a waste stream, a waste stream's impact to human health and/or the environment, and the viability of reduction efforts.

The impact on the overall quantity of hazardous waste may not be the most appropriate consideration in prioritizing a waste stream for reduction. Rather, it may be more appropriate to prioritize a smaller waste stream that has a greater impact on human health or the environment. Alternately, a waste stream may not be appropriate for prioritization if reductions are physically impossible, economically unfeasible, or are already being accomplished.

Approximately 21 million tons of manifested hazardous waste were generated in California from January 2010 to May 2022. About 19 percent of that (3.8 million tons) was RCRA hazardous waste, while about 81 percent (17 million tons) was considered hazardous in California but not under RCRA.

The three largest waste streams make up 65 percent of the hazardous waste generated in California since 2010 – contaminated soil, waste oil and mixed oil, and other inorganic solids. Waste oil and mixed oil already constitute one of the most recycled waste streams, and the amount generated is likely to decrease over time because of the transition to electric vehicles. Recycling of this waste stream is discussed further in Section 3.1.1.2 of this Report.

In contrast, contaminated soil is not recycled, and certain constituents are extremely difficult to remove. Preliminary research indicates that lead and other metals are the primary constituents that cause a significant amount of soil to be identified as hazardous. These generally occur in low concentrations. Given the characteristics of these constituents and the additional processing that would be required to reduce the volume of this waste stream, the benefits of such a reduction are unclear.

A significantly smaller waste stream, such as organic solvents, might be an appropriate target for waste reduction; however, the impact on the overall quantity of waste generated may be limited. Research conducted for this Report estimates this waste stream accounts for roughly four percent of hazardous waste generated in California since 2010. Even a significant 50 percent reduction in this waste stream would only result in a two percent overall reduction in hazardous waste generation. However, this smaller waste stream could still be an appropriate target for reduction because it may have a larger potential to impact human health and the environment than soil contaminated with low concentrations of metals.

#### 2.4.5.3 Considerations for Waste Stream Prioritization of Unmanifested Waste

Unlike manifested waste, it may not be advantageous to reduce some Unmanifested waste, like Universal Waste. These are hazardous wastes that are subject to less-stringent regulatory requirements in order to encourage Californians to manage them properly. Reducing this waste stream is not a goal, as an increase in the amount of these items that are managed properly represents a decrease in the amount that would be disposed of in a municipal landfill or otherwise managed improperly.

Information on the amounts and types of universal waste managed in California is limited, but efforts to quantify and track these wastes could operate against the purpose of the reduced regulatory requirements. Data on one type of unmanifested waste – universal waste – is found in a variety of sources, including DTSC annual reports, surveys, and third-party reports. These sources are not systems for tracking waste from cradle to grave but are designed as notification systems. Efforts to gather more information must be balanced against the additional requirements these efforts may impose. For example, incorporating a tracking system like the Uniform Manifest would require additional process steps, which may deter people from managing these wastes properly.

Efforts to collect unmanifested waste, including universal waste and household hazardous waste should be encouraged in order to continue to promote proper management of these wastes.

#### 2.4.5.4 Consideration of Waste Generation and Certified Unified Program Agencies

While DTSC always has the authority to inspect and enforce the regulations at a generator location, the 81 CUPAs and Participating Agencies conduct the generator inspections. These Certified Unified Program Agencies (CUPAs) manage 100,000 generators of waste, implement five other environmental programs and have access to data that may help resolve certain gaps in information presented in this Report. DTSC will be engaging with the CUPAs during future planning efforts.

### 3. Destinations of Hazardous Waste

For this Report, the term *destination facility* refers to all destinations of hazardous waste.<sup>93</sup> This may include, but not be limited to, recyclers, treatment facilities, disposal facilities, and many out-of-state non-hazardous waste landfills.<sup>94</sup> Hazardous wastes are sent to these facilities for recycling, treatment, and/or disposal.

Central to the management of hazardous waste is land disposal. If a hazardous waste cannot be recovered, treated, or recycled, it must be disposed of in an adequately designed land disposal unit (i.e., land treatment unit, landfill, surface impoundment, or waste pile). Prior to RCRA, disposal of hazardous waste in the land (e.g., buried in a landfill) was completed in a way that led to damage to human health and the environment, such as contamination of groundwater. The RCRA program established extensive technical requirements to ensure that land-based units prevent hazardous leachate from leaking into the environment.<sup>95</sup> Like RCRA, California's program for hazardous waste management includes specific design requirements for land disposal units.

In 1984, the United States Congress added the Hazardous and Solid Waste Amendments (HSWA) to the RCRA program. HSWA established the authority for the Land Disposal Restriction (LDR) program, which complements RCRA's technical design requirements and adds three prohibitions – disposal, dilution, and storage.<sup>96</sup> The disposal prohibition is one of the primary elements of the LDR program, requiring that hazardous wastes be treated before they are disposed of to a hazardous waste landfill. Properly treated hazardous wastes pose less of a risk to groundwater, surface water, and air, because treatment reduces characteristics like toxicity by destroying or removing the harmful constituents. Treatment also reduces the mobility of harmful constituents.

While land disposal is central to safe hazardous waste management, it may not be the preferred management method. In developing the Hazardous Waste Management Plan, DTSC will review and analyze waste management in California to identify additional opportunities to better support and apply the waste management hierarchy.<sup>97</sup>

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<sup>93</sup> HSC § 25135(b)(2)(B)

<sup>94</sup> Many States do not recognize non-RCRA hazardous wastes coming from other States to be hazardous in their State. Therefore, many non-RCRA wastes are typically not required to be disposed in a hazardous waste landfill.

<sup>95</sup> U.S. EPA RCRA Orientation Manual 2014

<sup>96</sup> [U.S. EPA website regarding Land Disposal Restrictions for Hazardous Waste.](#)

<sup>97</sup> [Hazardous Waste Management Planning Needs and Practices: A Review of Several State Agency Approaches](#)

The information in this section relates to the destinations of both manifested and unmanifested hazardous wastes.

### 3.1 Manifested Waste

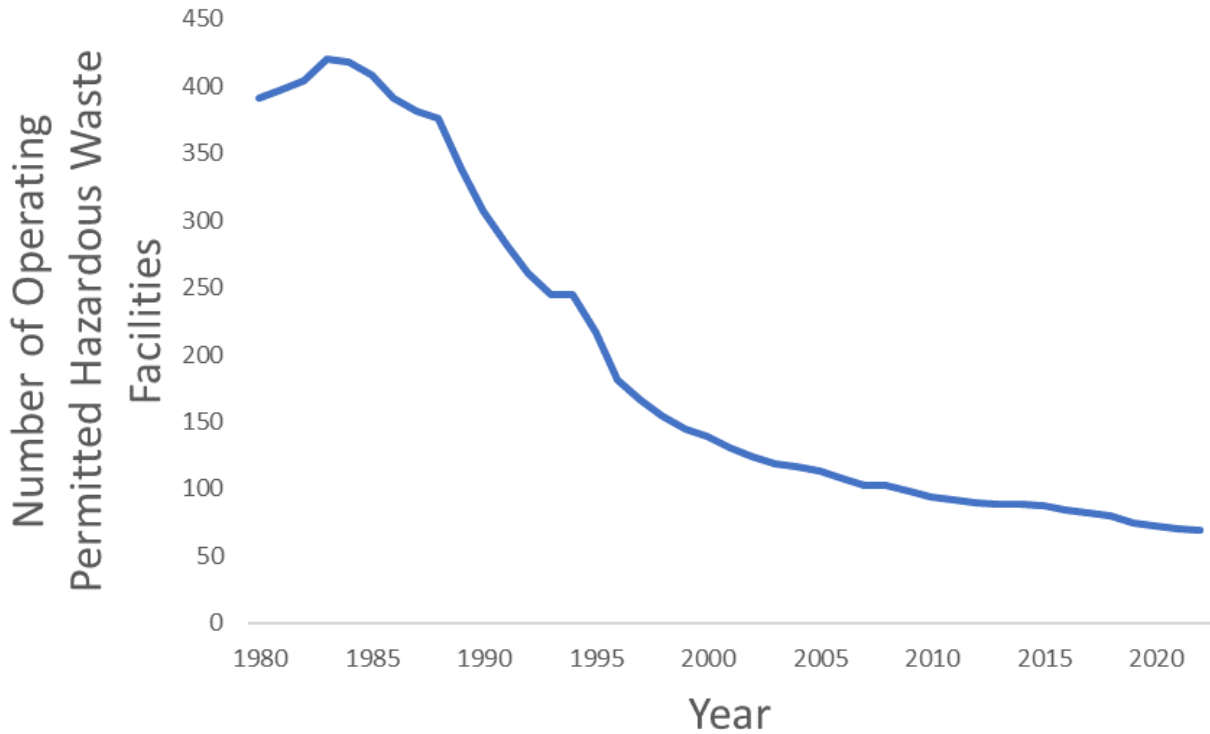
In accordance with HSC § 25135(b)(1), this section includes available information and discussion about hazardous waste streams currently being managed either in California or in other states. In addition, this section presents information for the following elements:

- The destination to which each hazardous waste stream is shipped
- The amount of hazardous waste disposed to land in California and other states
- The amount of hazardous waste treated in California and other states
- The amount of hazardous waste regulated under RCRA
- The amount of hazardous waste regulated only in California

The numerous sources used to compile the required information are discussed in the relevant subsections below. The primary source of information for manifested hazardous waste in this Report is DTSC's Hazardous Waste Tracking System (HWTS), which uses data from hazardous waste manifests. This Report incorporates adjusted HWTS data from 2010 through May 2022.

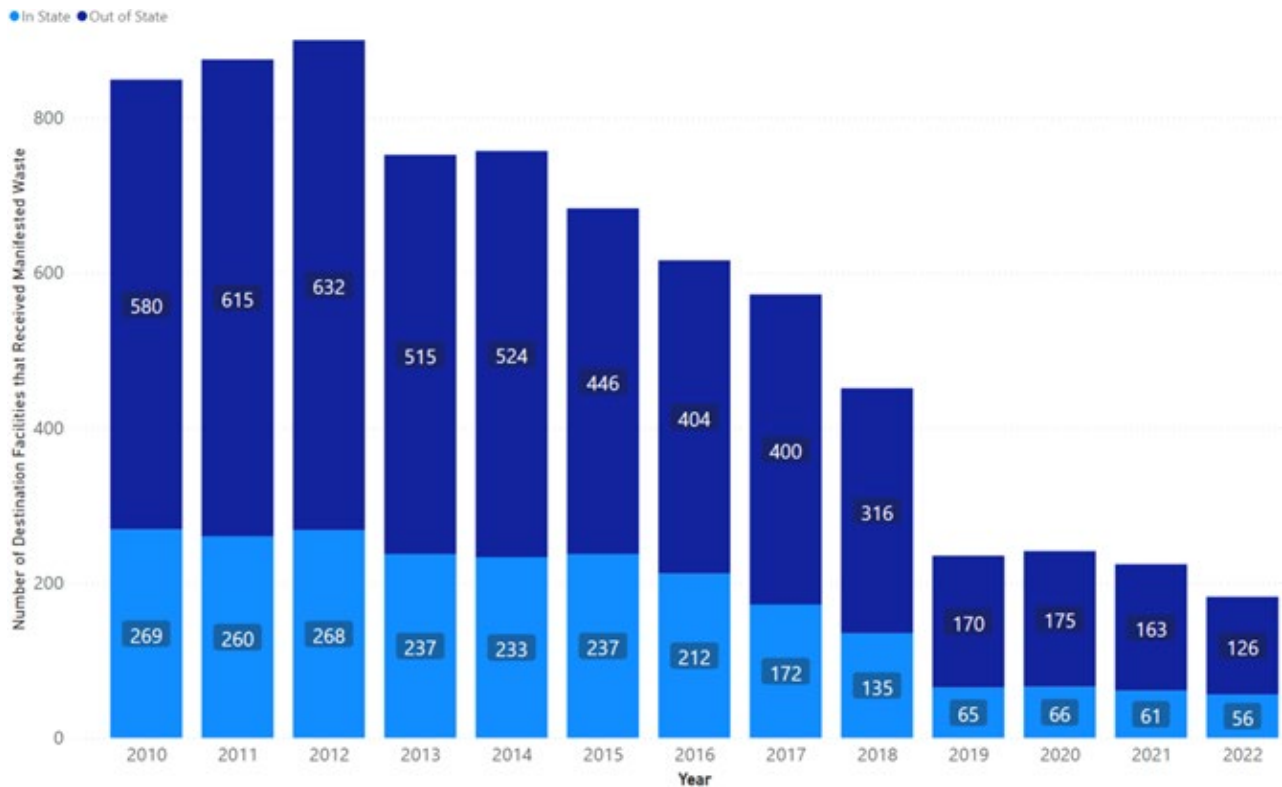
Since 1983, the number of hazardous waste facilities in California with an operating hazardous waste management permit has decreased. Figure 3.1-1 shows the decrease from more than 400 facilities to fewer than 100 still in operation.





*Figure 3.1-1: Number of California Hazardous Waste Facilities in Operation*

Similarly, the number of destination facilities that receive California's manifested hazardous waste has also decreased, as shown in Figure 3.1-2. This trend includes both in-state and out-of-state destination facilities. There are two likely causes behind this trend. One is the additional hazardous waste facility siting and permitting requirements California has enacted. Another likely cause is a national consolidation and restructuring within the hazardous waste management industry, which has been observed by U.S. EPA.



*Figure 3.1-2: Number of Distinct EPA ID Numbers Managing Manifested Hazardous Waste (January 2010 to May 2022)*

Since 2010, California generated 21.05 million tons of manifested hazardous waste. Once hazardous waste is generated, it needs to be properly managed. Table 3.1-1 provides an annual breakdown of the quantity of manifested hazardous waste in California, the quantity managed in California, and the quantity managed out of state.

*Table 3.1-1: Annual Breakdown of California’s Manifested Waste: Manifested in California, Managed in California, and Managed Out of State from 2010-2022*

Year	Quantity Manifested in California (Tons)	Quantity Managed in California (Tons)	Quantity Managed in California (Percent)	Quantity Managed Out of State (Tons)	Quantity Managed Out of State (Percent)
2010	1,749,712	1,091,641	62%	658,071	38%
2011	1,790,019	934,786	52%	855,233	48%
2012	1,626,602	903,121	56%	723,481	44%
2013	1,532,005	804,325	53%	727,680	47%
2014	1,663,601	839,639	50%	823,962	50%
2015	1,746,462	921,003	53%	825,459	47%
2016	1,784,320	1,032,100	58%	752,220	42%
2017	1,968,877	950,161	48%	1,018,716	52%
2018	1,982,133	1,037,403	52%	944,730	48%
2019	1,805,200	902,662	50%	902,538	50%
2020	1,565,685	826,963	53%	738,722	47%
2021	1,413,212	731,908	52%	681,305	48%
2022	423,275	229,667	54%	193,608	46%

To understand how manifested hazardous waste is being managed, hazardous waste manifests and HWTS use Management Method Codes to describe the type of management system used to treat, recover, or dispose of the waste.

Land disposal<sup>98</sup> has been one of the most common waste management methods in the United States, and it is the most common method for managing hazardous waste generated in California. Since 2010, 59.2 percent of the manifested hazardous waste generated in California (12.5 million tons) has been disposed of in a land disposal unit (Management Method Code: H132).

The second most common hazardous waste management method is “other recovery or reclamation for reuse” (Management Method Code: H039), which comprises 24.2 percent of the total (5.09 million tons). Incineration (Management Method Code: H040) is the third most common method; however, it has only been used for 2.31 percent of the hazardous waste managed since 2010 (620,000 tons). Figure 3.1-3 shows how California’s hazardous waste is being managed at destination facilities.

<sup>98</sup> Cal. Code Regs., tit. 22, § 66260.10

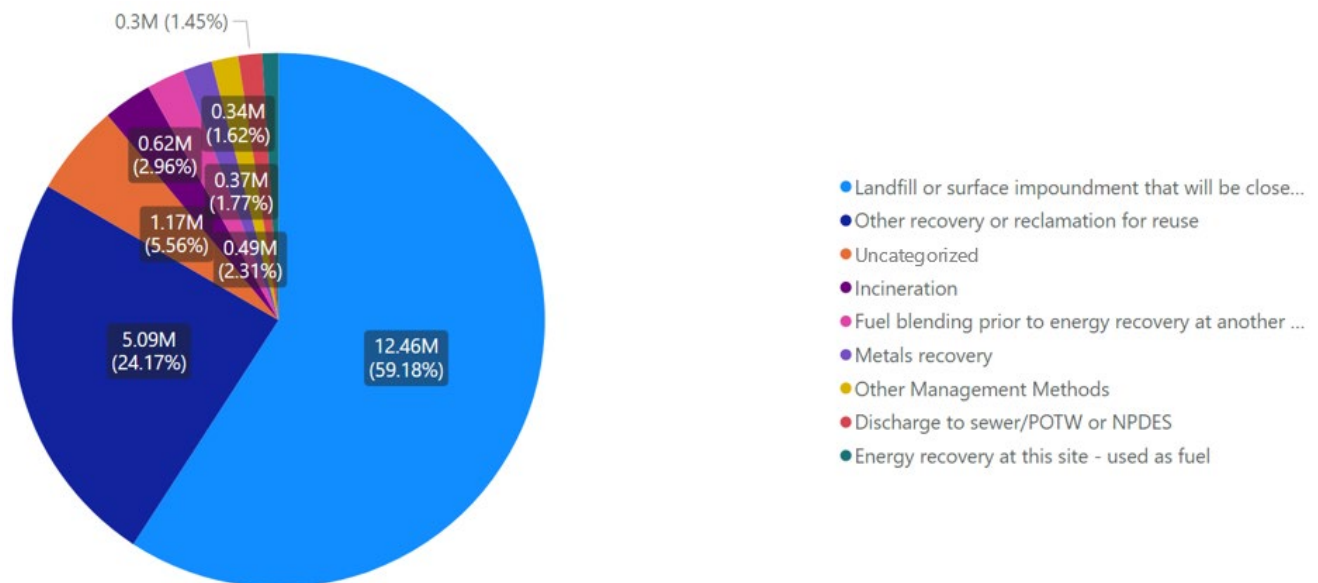


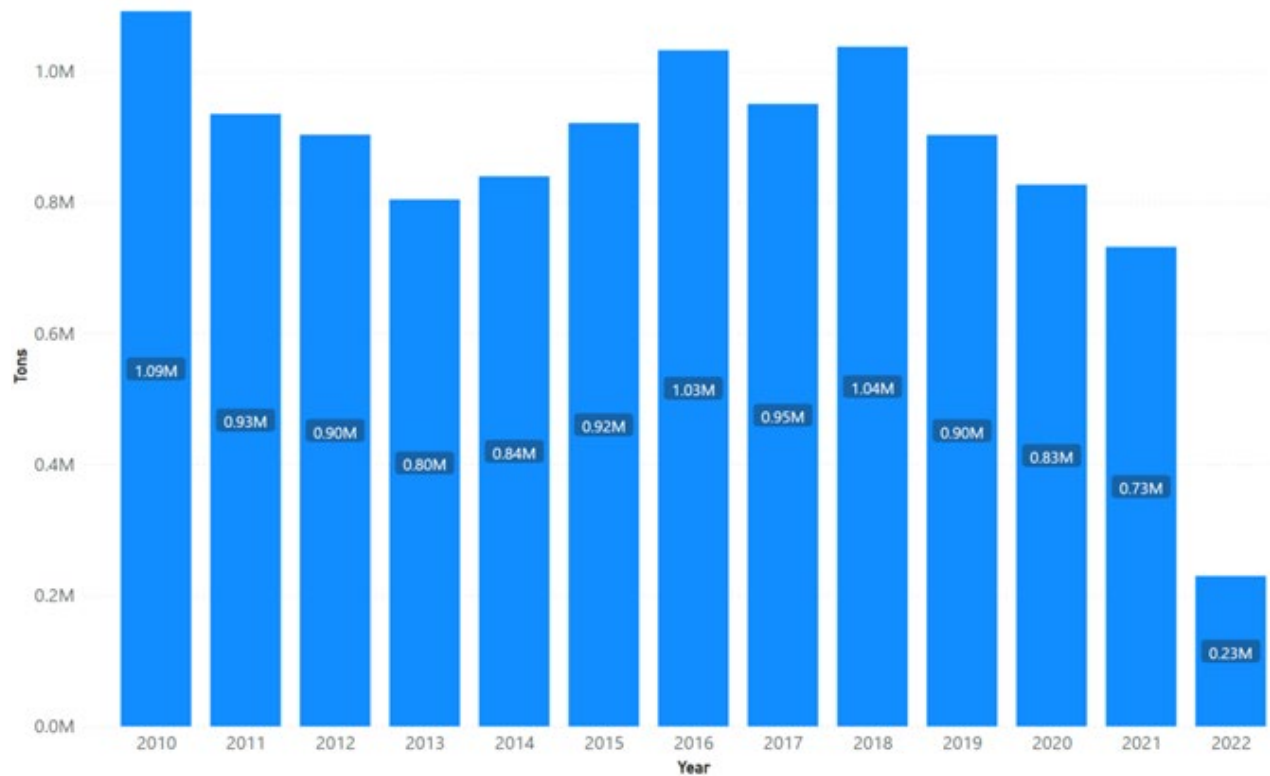
Figure 3.1-3: Quantity of Hazardous Waste per Management Method (January 2010 to May 2022)

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

### 3.1.1 Management of California’s Manifested Hazardous Waste In State

Since 2010, California generators have shipped 21.05 million tons of manifested hazardous waste. Due to several factors, not all hazardous waste generated in California is managed<sup>99</sup> within California. Since 2010, 53.2 percent of manifested hazardous waste has been managed within the state (11.21 million tons). The remaining 46.8 percent (9.85 million tons) was managed outside the state. Figure 3.1-4 shows the amount of manifested hazardous waste managed within California each year since 2010.

<sup>99</sup> Treated, recycled, or disposed at a destination facility.



*Figure 3.1-4: Amount of Manifested Hazardous Waste Managed within California (January 2010 to May 2022)*

Since 2010, 86.1 percent of the manifested hazardous waste managed within California has been non-RCRA hazardous waste (9.65 million tons), and 12.9 percent (1.45 million tons) has been RCRA hazardous waste, as shown in Figure 3.1-5.

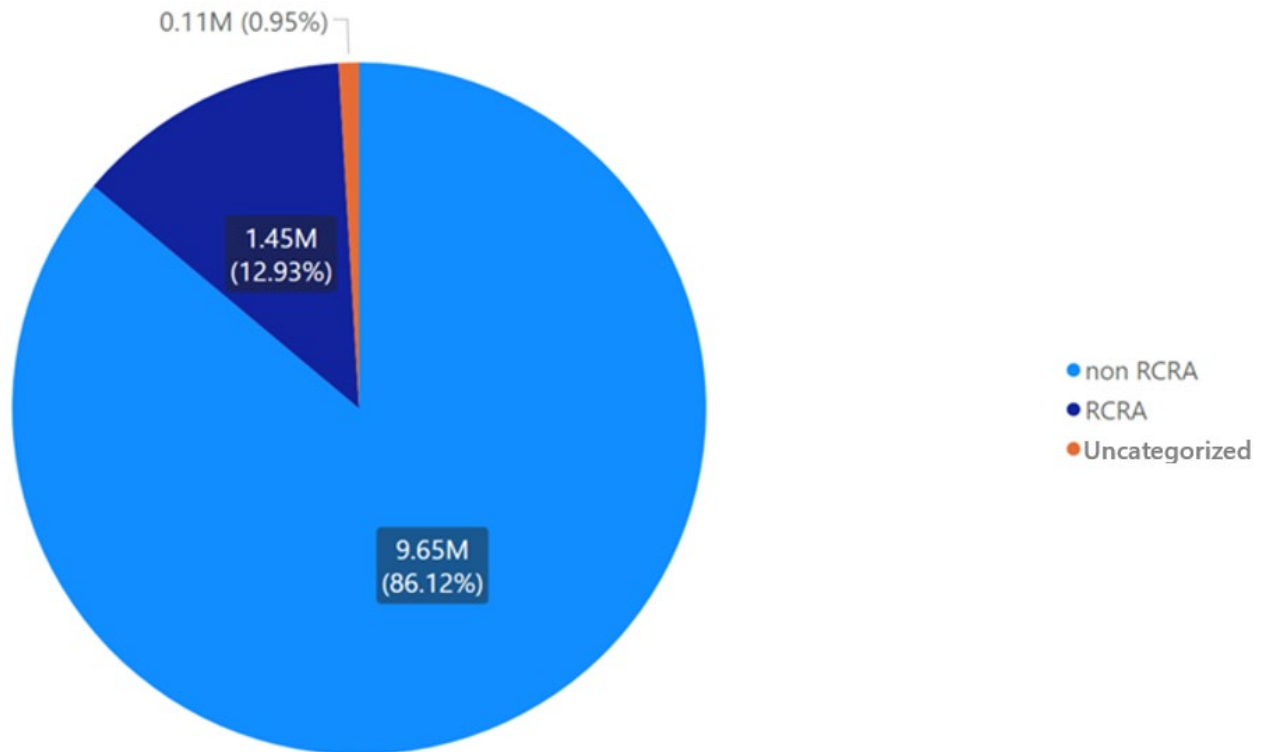


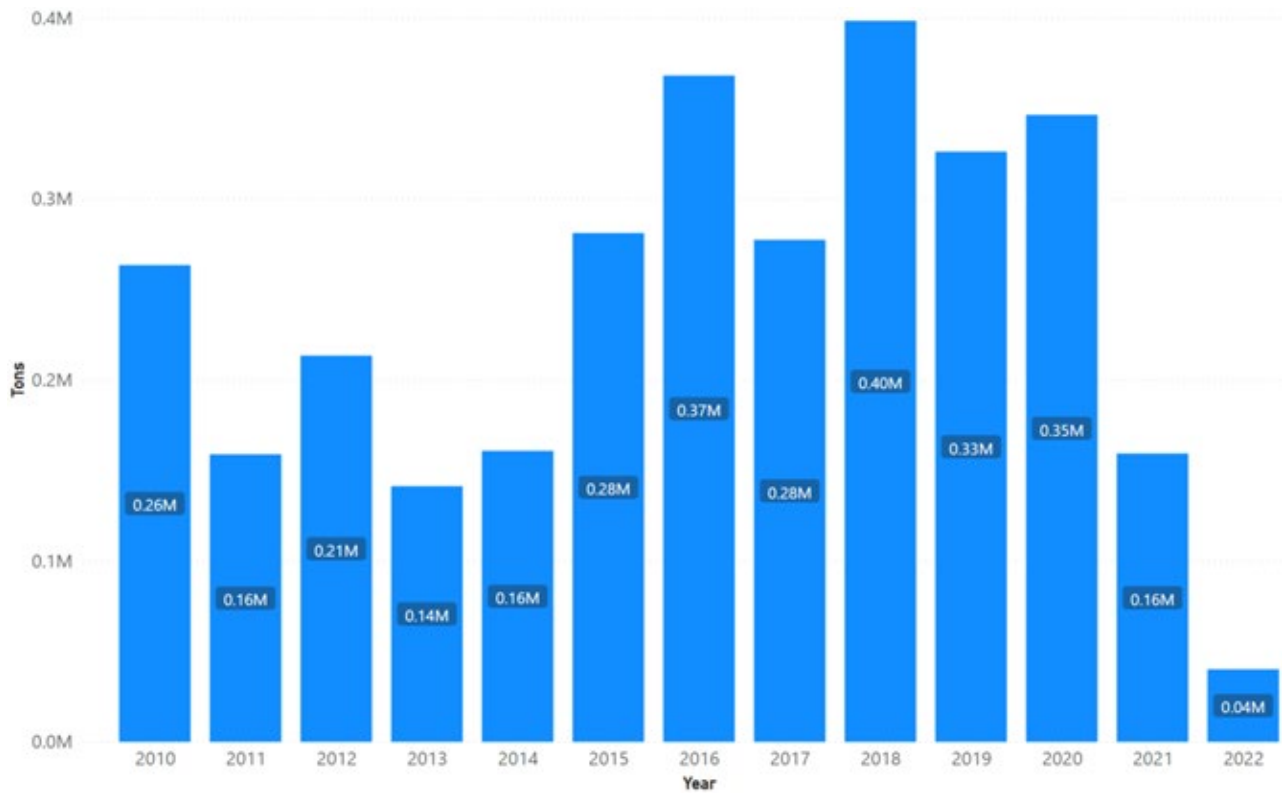
Figure 3.1-5: RCRA and Non-RCRA Manifested Hazardous Waste Managed within California, tons (January 2010 to May 2022)

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

As mentioned in Section 2.1.6, California’s Largest Hazardous Waste Streams, three waste streams have consistently been the largest by weight since 2010. The largest waste stream generated in California each year is Contaminated Soil from Site Cleanups (State Waste Code 611). The second largest is Waste Oil and Mixed Oil (State Waste Code 221). The third largest is Other Inorganic Solids (State Waste Code 181). Since 2010, these three waste streams have accounted for 64.8 percent of the total waste generated, or 13,651,300 tons.

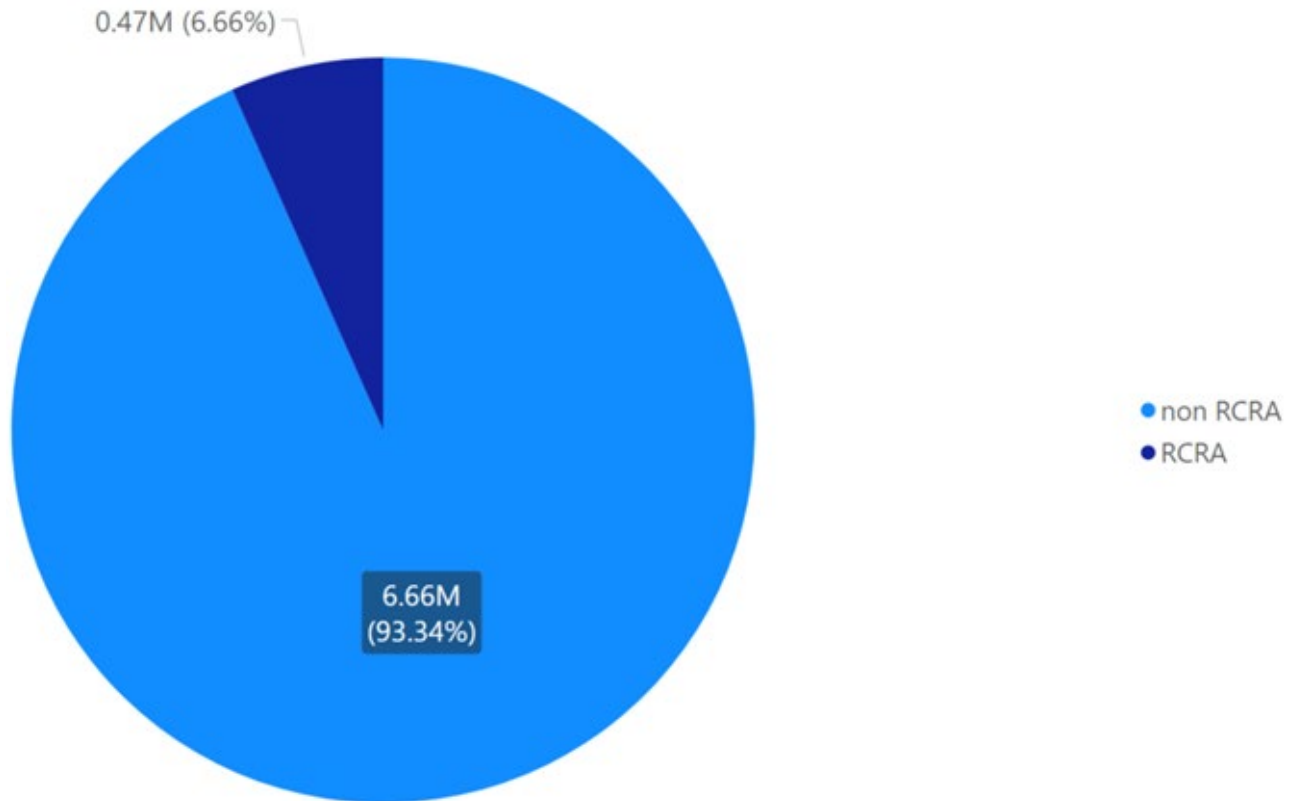
### 3.1.1.1 Contaminated Soil from Site Cleanups

California has generated more Contaminated Soil from Site Cleanups (contaminated soil) than any other waste stream since 2010 – on average, more than 567,000 tons each year (Figure 3.1-6). Just under half of California’s contaminated soil has been managed in California. Since 2010, 3.13 million tons (43.9%) of contaminated soil have been managed in California, while 4.00 million tons (56.1%) has been managed out of state. The annual quantity of contaminated soil managed within California can be seen in Figure 3.1-6.



*Figure 3.1-6: Amount of Contaminated Soil Managed in California (January 2010 to May 2022)*

Approximately 93 percent of the contaminated soil generated in California since 2010 has been non-RCRA hazardous waste (Figure 3.1-7).



*Figure 3.1-7: Amount of RCRA and Non-RCRA Contaminated Soil Generated in California (January 2010 to May 2022)*

Since 2010, 99.9 percent of the contaminated soil disposed of within California has been disposed of within three locations:

- 2.10 million tons (66.9%) was disposed of at Clean Harbors Buttonwillow LLC.
- 0.978 million tons (31.2%) was disposed of at Chemical Waste Management Inc Kettleman.
- 58,400 tons (1.9%) was disposed of at Mecca Resources Facility.<sup>100</sup>

### 3.1.1.2 Waste Oil and Mixed Oil

Since 2010, California's second largest type of hazardous waste generated has been Waste Oil and Mixed Oil (waste oil). On average, California manifests more than 323,000 tons of waste oil each year.

The vast majority of California's waste oil is managed in California. Since 2010, 3.12 million tons (92.0%) has been managed in California compared to 0.269 million tons (7.95%) managed out of state. The annual quantity of waste oil managed within California can be seen in Figure 3.1-8.

<sup>100</sup> Western Environmental Incorporated, Mecca, California Community Notice, May 2014 ([Website Link](#))



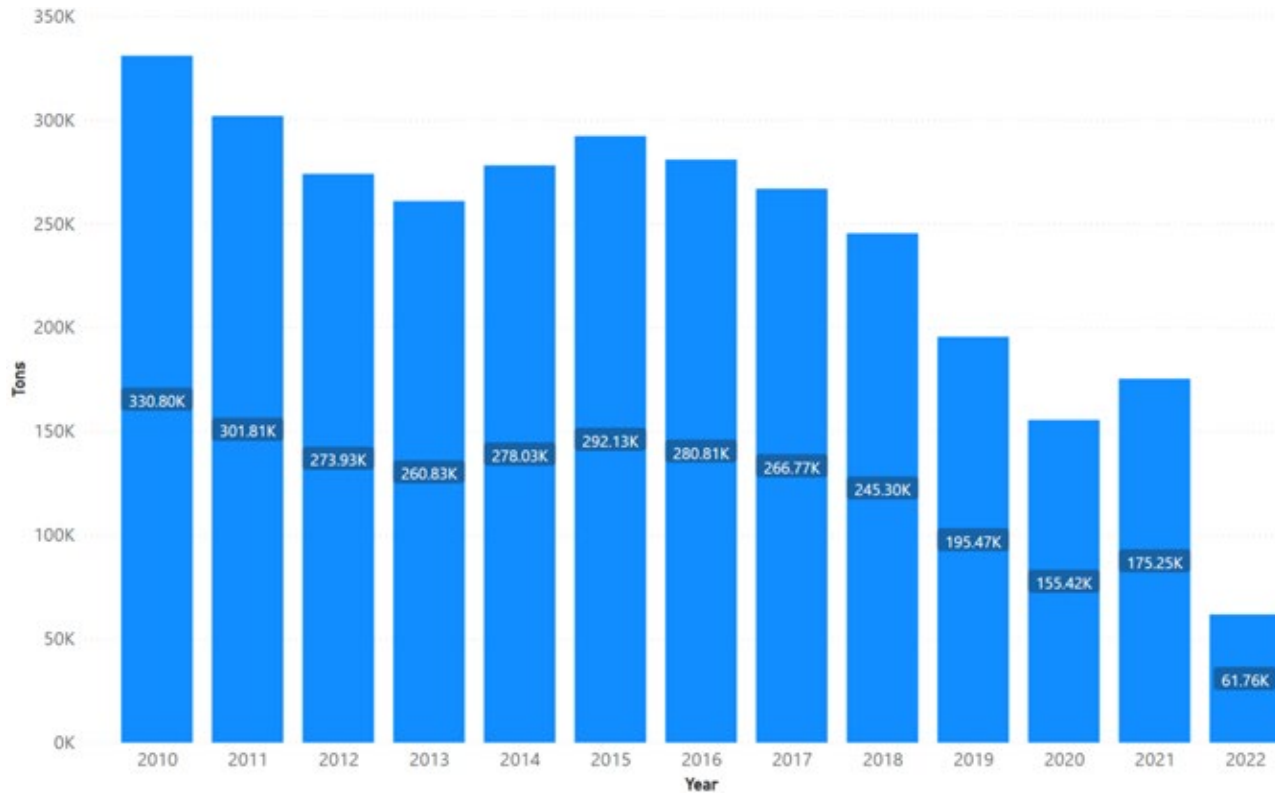


Figure 3.1-8: Quantity of Waste Oil Managed in California (January 2010 to May 2022)

Since 2010, more than 95.4 percent of the waste oil managed within California has been managed at four locations:

- 2.20 million tons (70.7%) was managed at Demenno-Kerdoon.
- 374,100 tons (12.0%) was managed at Safety-Kleen of California Inc.
- 200,700 tons (6.4%) was managed at Industrial Service Oil Co Inc.
- 194,200 tons (6.2%) was managed at Agritec INT DBA Cleantech Environmental Inc.

### 3.1.1.3 Other Inorganic Solid Waste

Since 2010, California's third largest type of hazardous waste generated has been Other Inorganic Solid Waste (inorganic solid waste). On average, California manifests more than 264,000 tons of inorganic solid waste each year, with just under half of it managed in California. Since 2010, 1.43 million tons (45.7%) of inorganic solid waste was managed in California while 1.70 million tons (54.3%) was managed out of state. The annual quantity of inorganic solid waste managed within California can be seen in Figure 3.1-9.

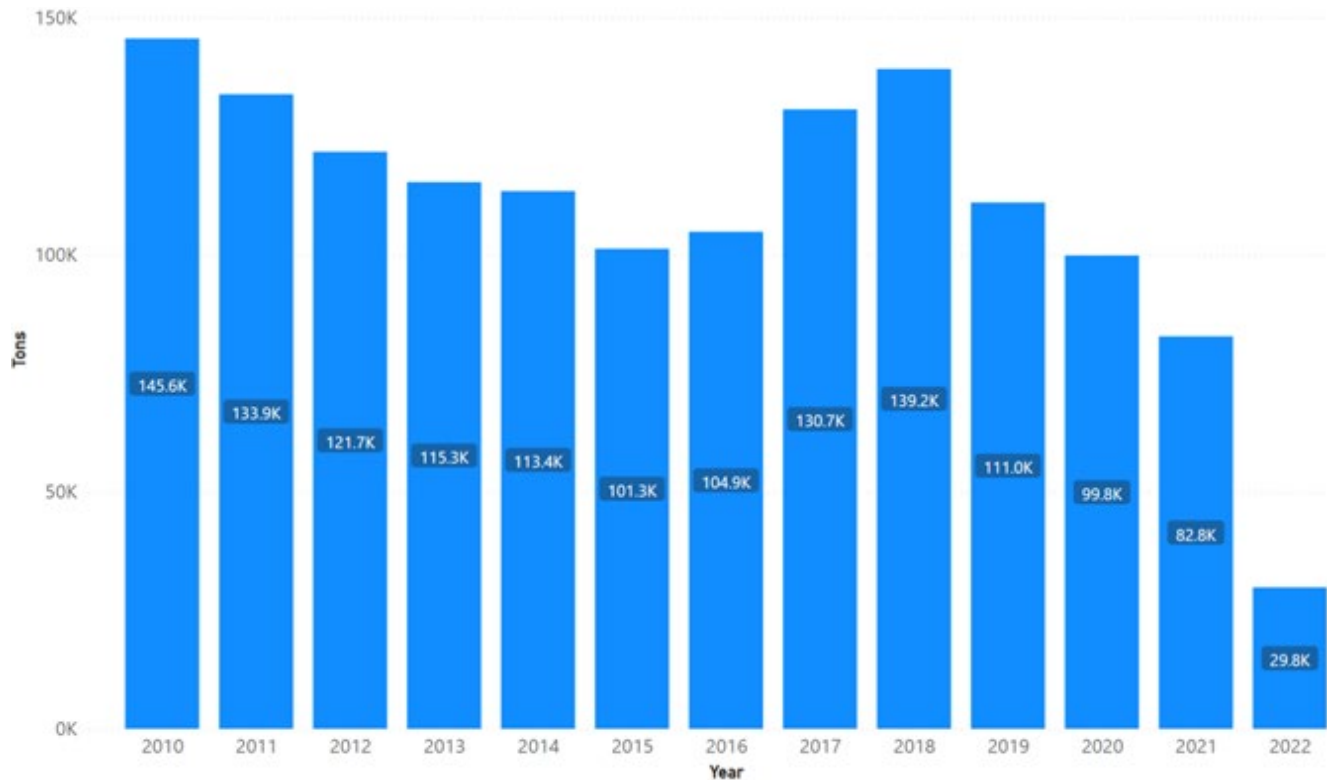


Figure 3.1-9: Quantity of Inorganic Solid Waste Managed in California (January 2010 to May 2022)

Since 2010, 98.5 percent of the inorganic solid waste managed within California was shipped to five locations:

- 822,600 tons (57.6%) was managed at Clean Harbors Buttonwillow LLC.
- 417,000 tons (29.2%) was managed at Chemical Waste Management Inc. Kettleman.
- 88,800 tons (6.2%) was managed at KW Plastics of California.
- 40,400 tons (2.8%) was managed at Quemetco Inc.
- 39,900 tons (2.8%) was managed at Exide Technologies Inc.

### 3.1.2 Management of California's Manifested Hazardous Waste in Other States

Since 2010, California has generated 21.05 million tons of manifested hazardous waste. Of that waste, 46.8 percent was managed outside California (9.85 million tons). The top three states that received the most manifested hazardous waste from California were:

- Utah – 3,158,000 tons (15.2%)
- Arizona – 2,839,400 tons (13.4%)
- Nevada – 2,169,400 tons (10.4%)

As discussed in Section 2.3.3, California’s hazardous waste criteria are more stringent and broader in scope, which results in California identifying more wastes as hazardous than does RCRA. As such, California’s manifested hazardous waste is organized into two categories: “RCRA hazardous waste” and “non-RCRA hazardous waste.”

Non-RCRA hazardous waste generated in California is typically required to be managed as hazardous waste within California.<sup>101</sup> Many states do not consider non-RCRA hazardous waste to be hazardous waste. Two exceptions to this are Oregon and Nevada which require wastes that are considered hazardous waste in their state of origin to be managed as hazardous waste.<sup>102</sup>

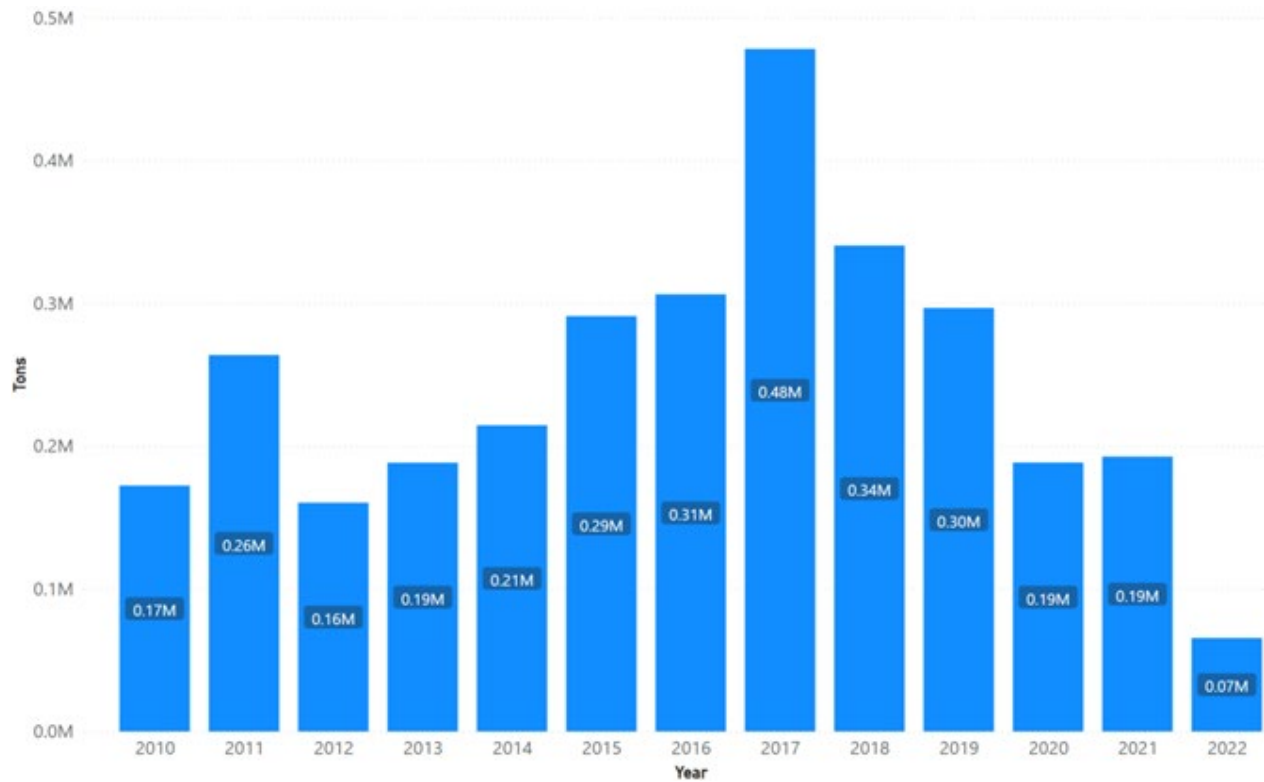
### 3.1.2.1 Management in Utah

Utah has received the most manifested hazardous waste from California since 2010. Utah has received 3,158,000 tons (15.2%), ranging from 160,300 tons to 478,100 tons per year (Figure 3.1-10).

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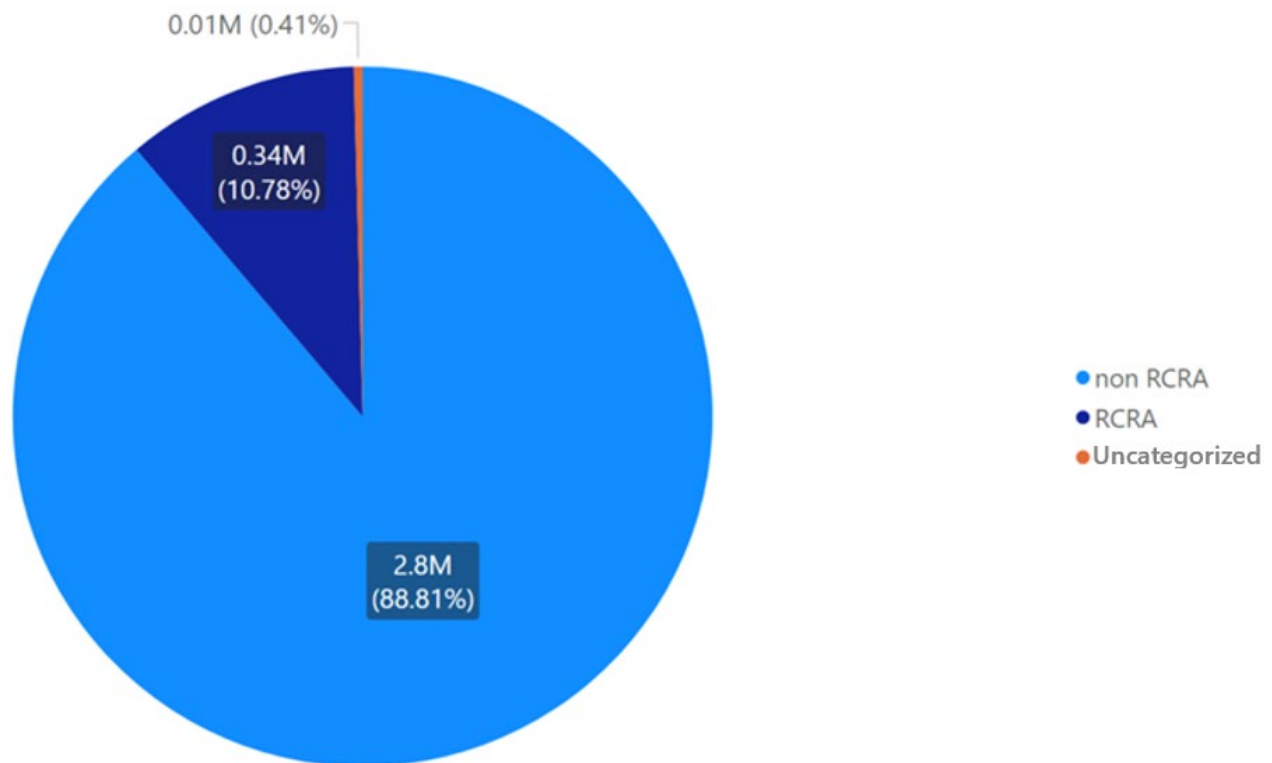
<sup>101</sup> There are some non-RCRA wastes, like some treated wood, which are allowed to be disposed in a non-hazardous waste landfill in (HSC § 25230.3).

<sup>102</sup> Oregon Department of Environmental Quality 340-093-0040(2)(a) ([Website Link](#)) and Nevada Administrative Code 444.843 ([Website Link](#))



*Figure 3.1-10: Quantity of Manifested Hazardous Waste Managed within Utah (January 2010 to May 2022)*

About 88.8 percent of all manifested hazardous waste shipped to Utah was non-RCRA hazardous waste, while 10.8 percent was RCRA hazardous waste (Figure 3.1-11).



*Figure 3.1-11: Amount of RCRA vs Non RCRA Waste Shipped to Utah, tons (January 2010 to May 2022)*

*Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.*

The primary management method for California’s manifested hazardous waste in Utah was landfilling, at 2,762,100 tons (87.5%). The next largest management method, incineration (Management Code H040), accounted for 10.2 percent of the manifested hazardous waste shipped to Utah from California (322,700 tons).

Since 2010, a total of 13 Utah facilities have managed California’s hazardous waste. The top two facilities have managed 93.5 percent of the manifested hazardous waste shipped to Utah from California (2,620,900 tons).

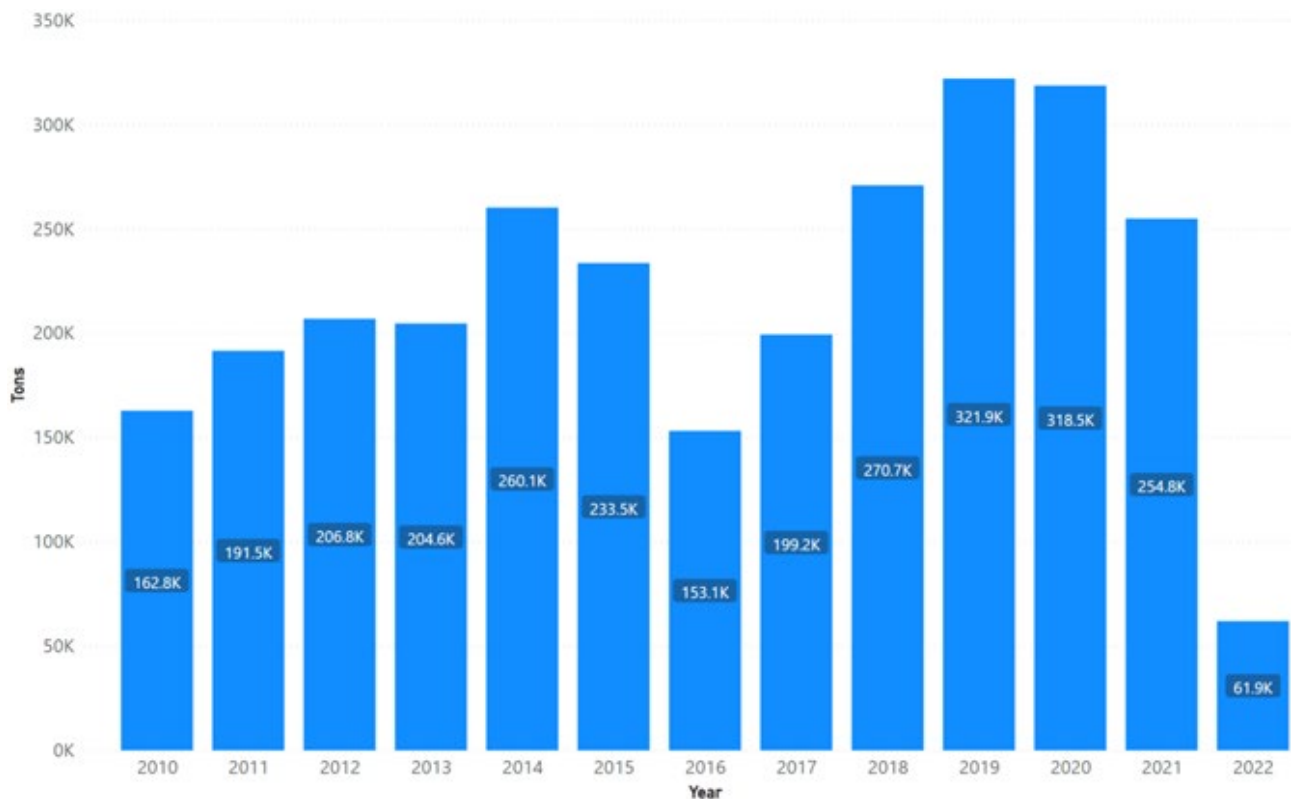
One waste stream dominated the manifested hazardous waste shipped to Utah – contaminated soil. Since 2010, about 2,360,000 tons of contaminated soil has been shipped to Utah. This equates to 74.7 percent of all hazardous waste shipped to Utah from California. The primary method of managing California’s contaminated soil within Utah is landfilling at 2,344,000 tons (99.3%).

Of the 2,360,000 tons of contaminated soil sent to Utah, 98.9 percent was managed at one facility: ECDC Environmental, a non-hazardous Subtitle D landfill. The company is identified by two EPA ID Numbers within HWTS: UTC093012201 and UTR000000687.

Clean Harbors Aragonite LLC, a commercial hazardous waste incinerator, received 321,900 tons (99.8%) of waste sent to Utah from California for incineration. The company is identified by EPA ID Number UTD981552177 in HWTS.

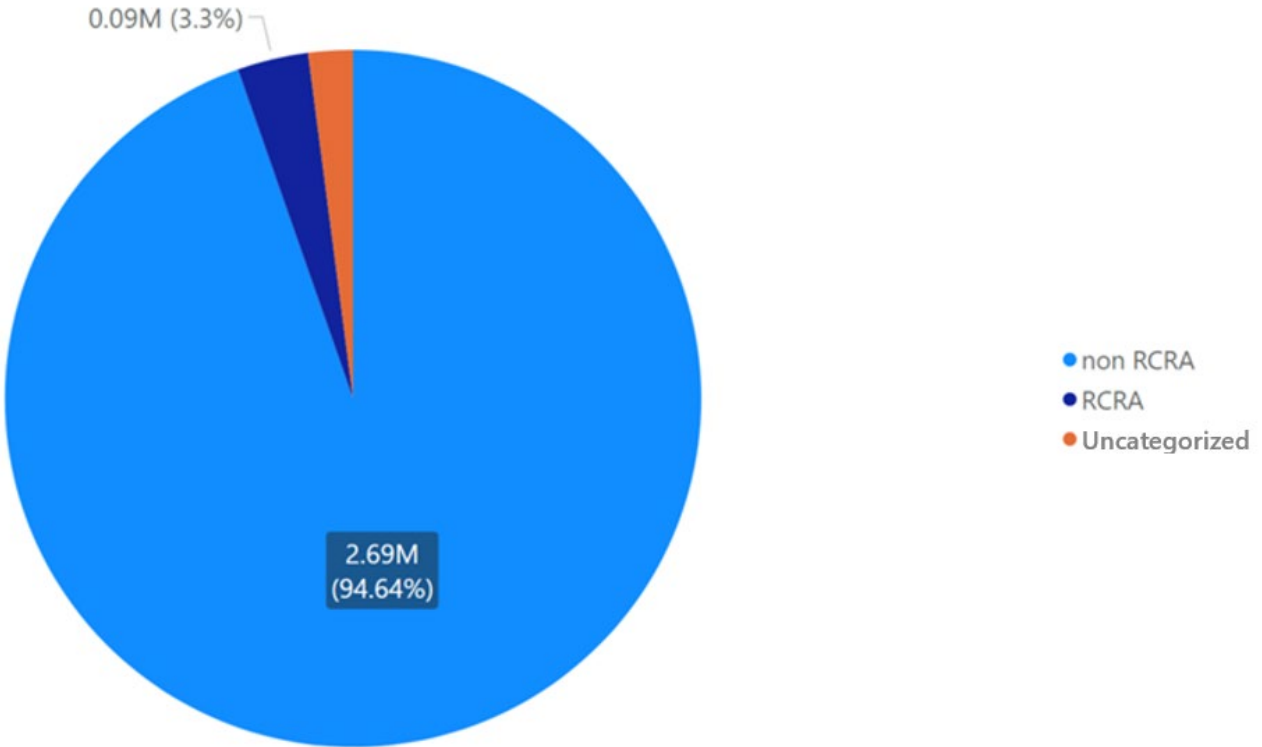
### 3.1.2.2 Management in Arizona

Arizona has received the second most manifested hazardous waste from California since 2010. Arizona has received 2,839,400 tons (13.6%) of California’s manifested hazardous waste, ranging from 153,100 tons to 321,900 tons per year (Figure 3.1-12).



*Figure 3.1-12: Amount of Manifested Hazardous Waste Managed within Arizona (January 2010 to May 2022)*

About 94.6 percent of all manifested hazardous waste sent to Arizona was non-RCRA hazardous waste, and 3.3 percent was RCRA hazardous waste (Figure 3.1-13).



*Figure 3.1-13: Amount of RCRA vs Non RCRA Waste Shipped to Arizona, tons (January 2010 to May 2022)*

*Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.*

The types of manifested hazardous waste shipped to Arizona for management are more varied than those shipped to Utah. Still, the largest waste stream was contaminated soil. Since 2010, about 980,200 tons of contaminated soil has been manifested and shipped to Arizona from California. This equates to 34.5 percent of all manifested hazardous waste sent to Arizona from California. The next largest waste stream was inorganic solid waste, with 619,400 tons shipped since 2010. The third largest waste stream shipped to Arizona was asbestos-containing waste, with 298,900 tons shipped since 2010.

The top three waste streams shipped to Arizona from California are managed at three facilities:

- Copper Mountain Landfill (EPA ID Number: AZR000002428)
- La Paz County Landfill (EPA ID Number: AZR000520882 and AZC950823111)
- South Yuma County Landfill (EPA ID Number: AZR000506980)

Of the 980,200 tons of manifested contaminated soil shipped to Arizona, 94.0 percent was managed at:

- South Yuma County Landfill – 491,200 tons (50.1%)
- La Paz County Landfill – 266,000 tons (27.1%)
- Copper Mountain Landfill – 164,900 tons (16.8%)

The next largest waste stream shipped to Arizona from California was inorganic solid waste. Of the 619,400 tons sent to Arizona, 87.3 percent was managed at:

- Copper Mountain Landfill – 228,200 tons (36.8%)
- La Paz County Landfill – 219,300 tons (35.4%)
- South Yuma County Landfill – 93,500 tons (15.1%)

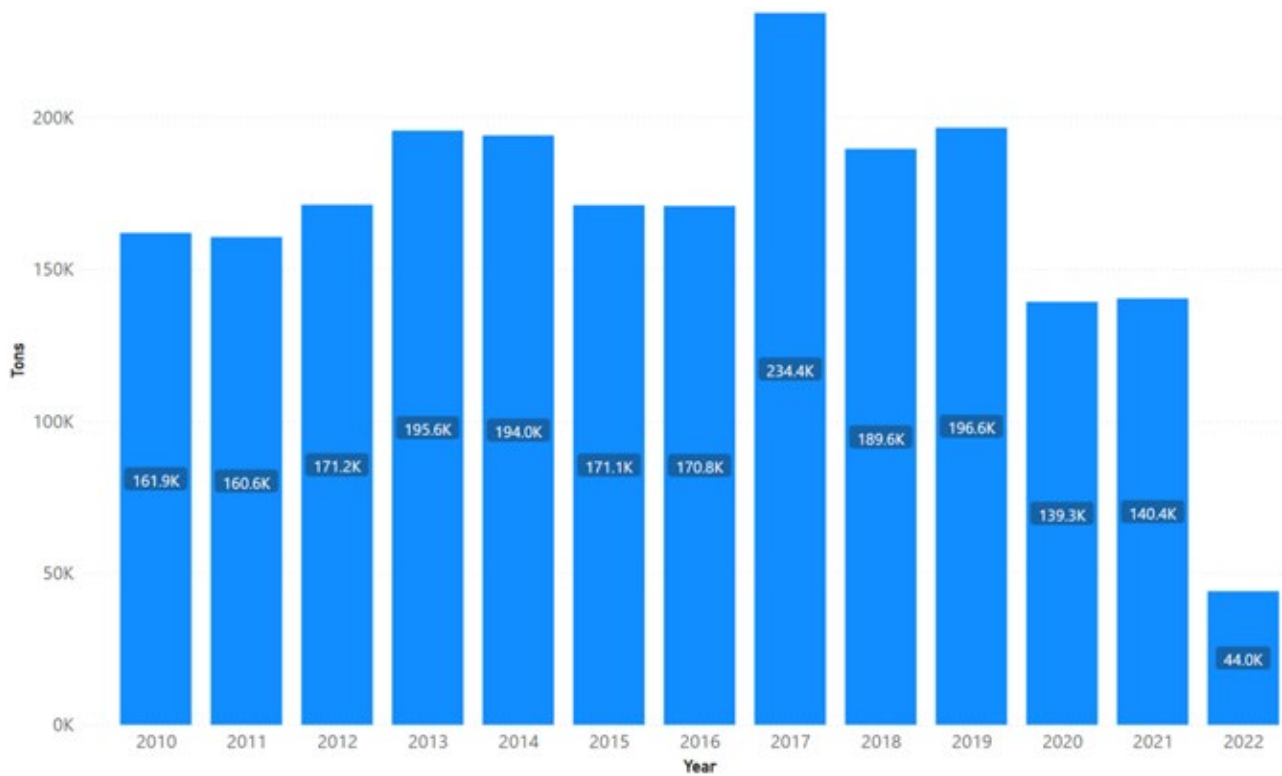
The third largest waste stream shipped to Arizona from California was asbestos-containing waste. Of the 298,900 tons sent to Arizona, 99.9 percent was managed at:

- La Paz County Landfill – 249,900 tons (83.6%)
- South Yuma County Landfill – 45,000 tons (15.1%)
- Copper Mountain Landfill – 3,600 tons (1.2%)

### 3.1.2.3 Management In Nevada

Nevada has received the third most manifested hazardous waste from California generators since 2010. Nevada has received 2,169,400 tons (10.4%) of California's manifested hazardous waste, ranging from 139,300 tons to 234,400 tons per year (Figure 3.1-14).





*Figure 3.1-14: Quantity of Manifested Hazardous Waste Managed within Nevada (January 2010 to May 2022)*

About 1,236,600 tons (57.0%) of all manifested hazardous waste shipped to Nevada from California was non-RCRA hazardous waste, and 910,400 tons (42.0%) was RCRA hazardous waste (Figure 3.1-15).

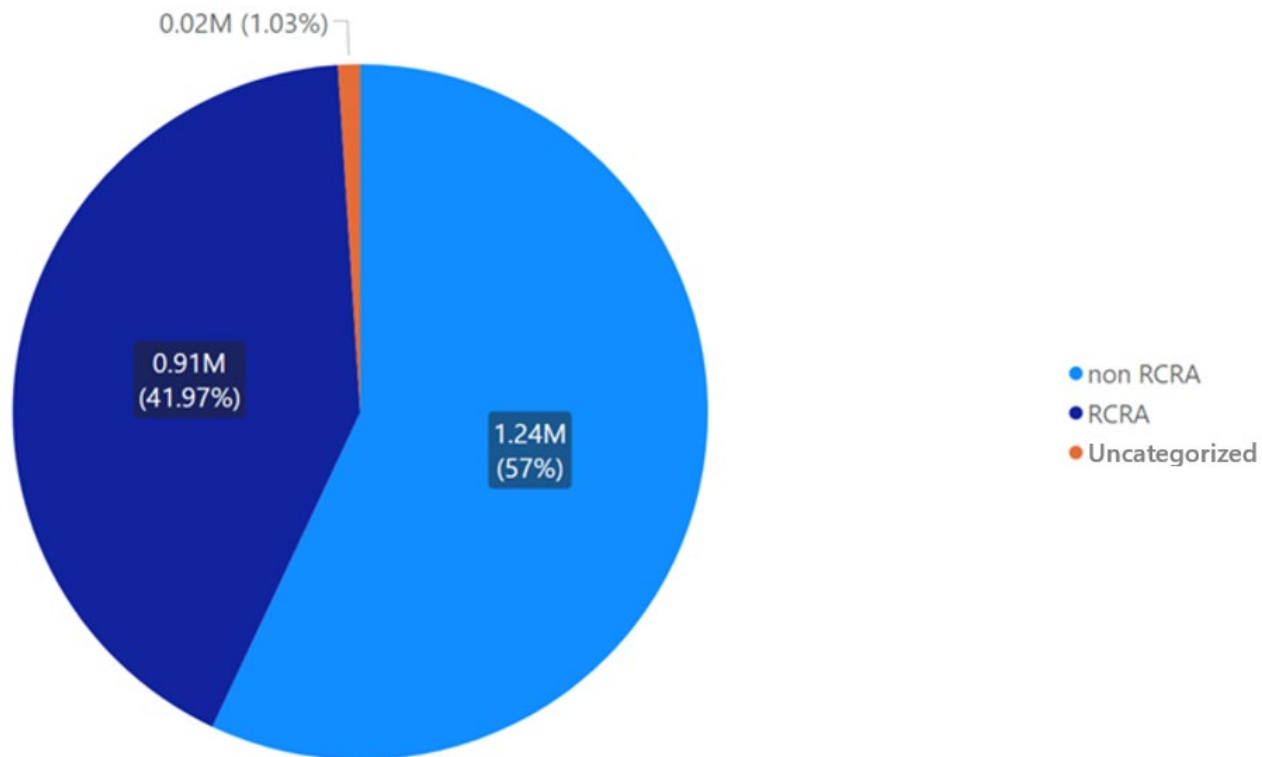


Figure 3.1-15: Quantity of RCRA vs Non RCRA Waste Shipped to Nevada, tons (January 2010 to May 2022)

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

Unlike in Utah or Arizona, the largest waste stream shipped to Nevada since 2010 has been inorganic solid waste. California has shipped about 739,900 tons of inorganic solid waste, which equates to 34.1 percent of all manifested hazardous waste shipped to Nevada.

Of the 739,900 tons of manifested inorganic solid waste shipped to Nevada from California, 730,600 (98.8%) was managed at US Ecology Nevada, a hazardous waste landfill. This facility is identified in HWTS as EPA ID number NVT330010000.

The next largest waste stream shipped to Nevada was lead waste (RCRA Waste Code D008). Of the 594,000 tons sent to Nevada, 95.1 percent was managed at US Ecology Nevada.

The third largest waste stream shipped to Nevada was contaminated soil. Of the 375,700 tons sent to Nevada, 98.5 percent was also managed at US Ecology Nevada.

### 3.1.3 Amount of Manifested Hazardous Waste Disposed to Land

In accordance with HSC § 25135(b)(1)(C), the following information quantifies the amount of manifested hazardous waste disposed to land, both within California and in other states.

To track how manifested hazardous waste is being managed, hazardous waste manifests use Management Method Codes to describe the type of management system used to treat, recover, or dispose of the waste.

To complete this analysis, two management codes were analyzed:

- H131 Land treatment or application (to include on-site treatment and/or stabilization)
- H132 Landfill or surface impoundment that will be closed as landfill (to include prior treatment and/or stabilization)

Since 2010, 59.2 percent of California’s manifested hazardous waste (12,465,300 tons) has been disposed to land. This includes both RCRA and non-RCRA waste. Annual quantities of hazardous waste disposed to land averaged 1,016,000 tons and ranged from 773,700 tons to 1,283,600 tons. Figure 3.1-16 shows the annual quantity of hazardous waste disposed to land since the start of 2010.

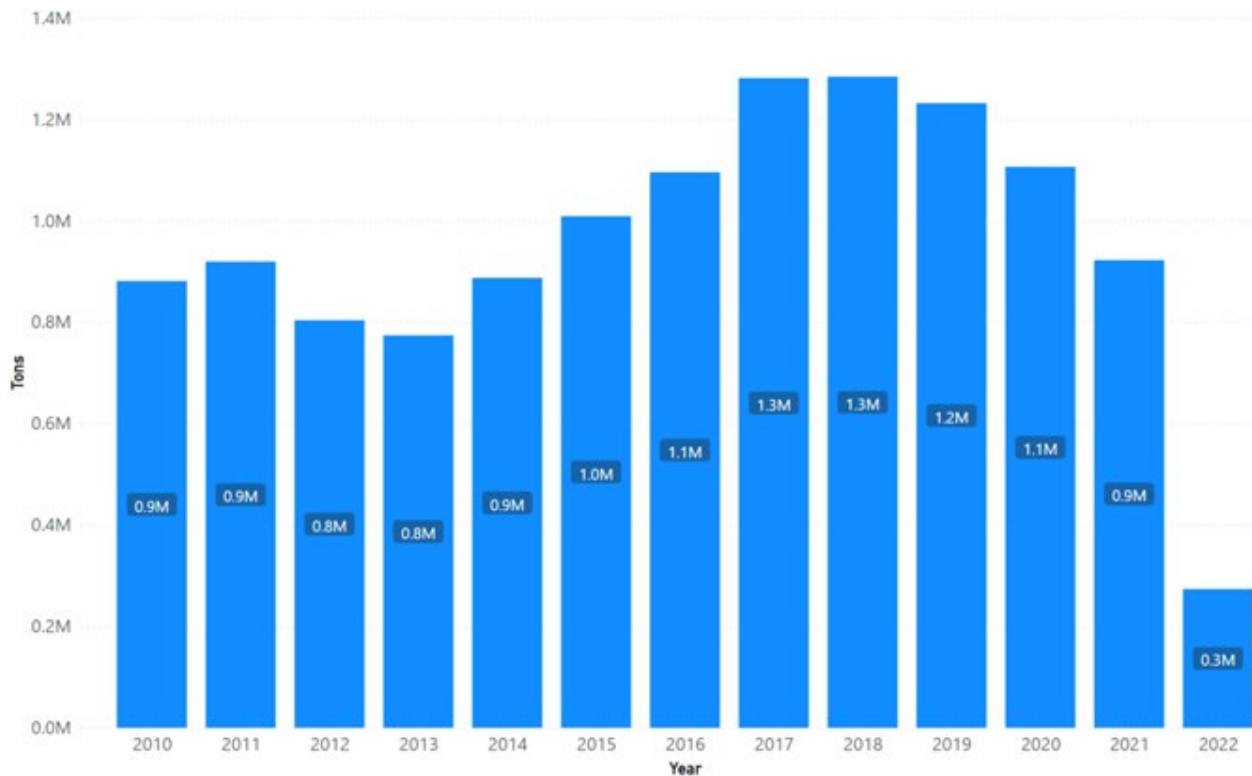


Figure 3.1-16: Annual Quantity of Hazardous Waste Disposed to Land

About 88 percent of all land-disposed manifested hazardous waste was non-RCRA hazardous waste (10,966,200 tons). Just under 11 percent was RCRA hazardous waste (Figure 3.1-17).

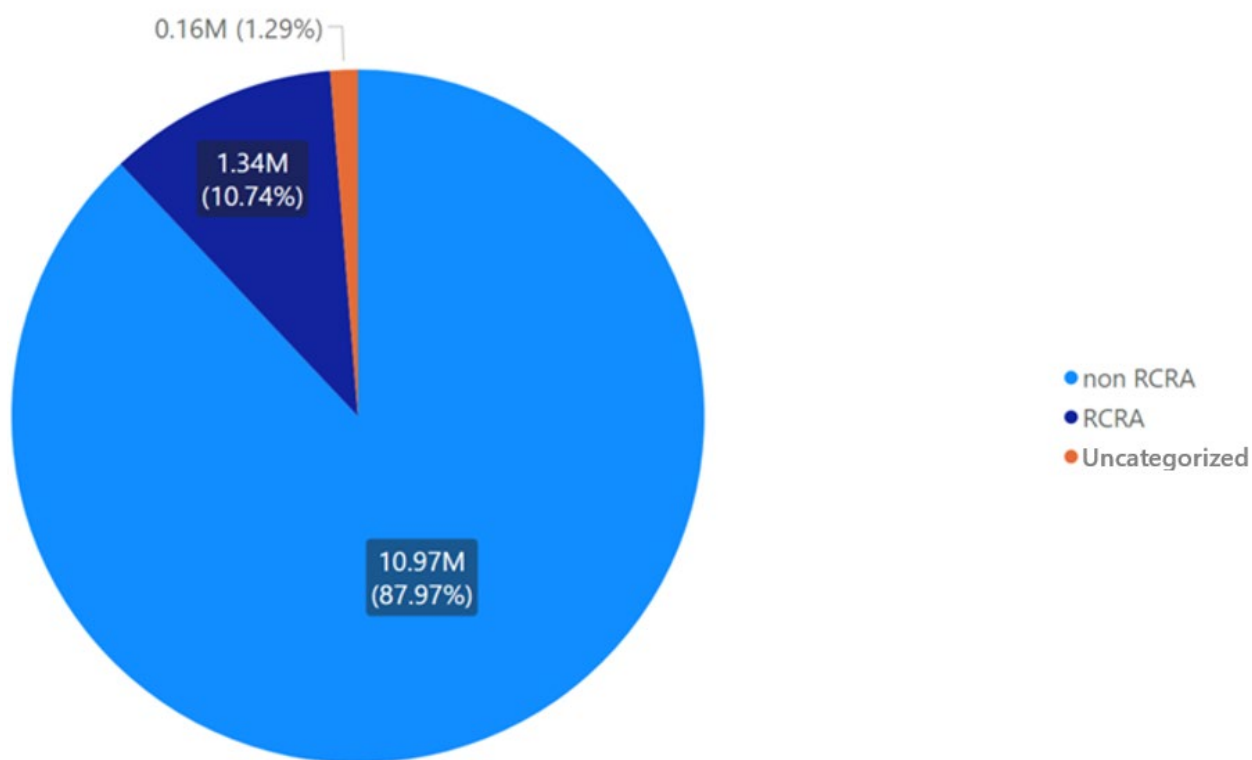
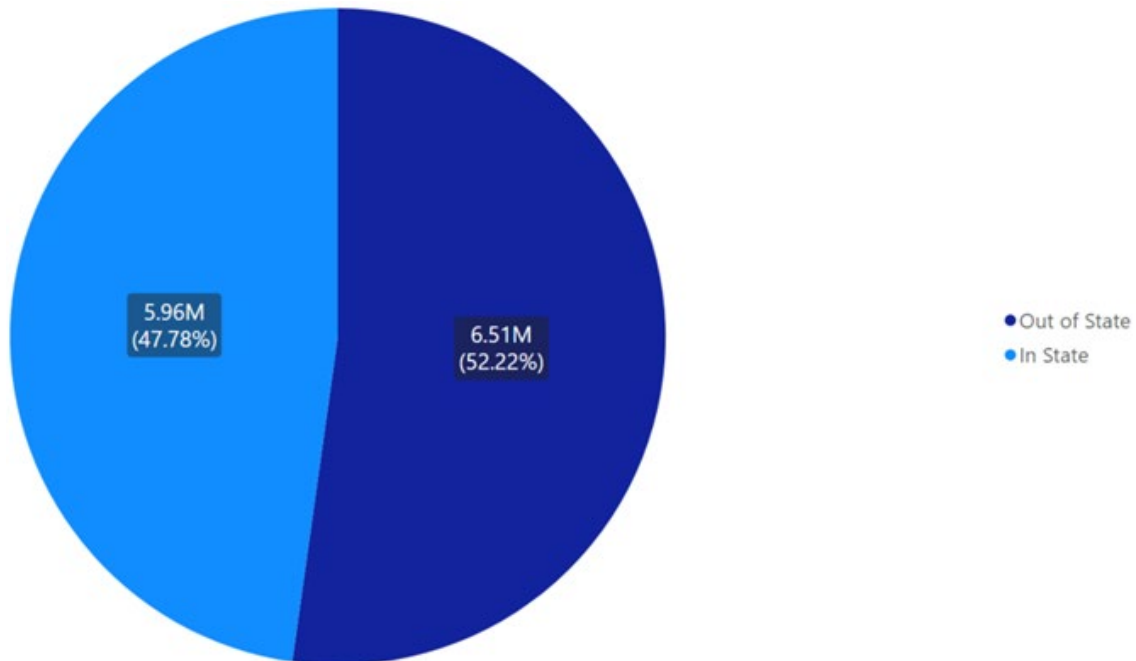


Figure 3.1-17: Breakdown of RCRA vs non-RCRA Waste being Land Disposed, tons (January 2010 to May 2022)

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

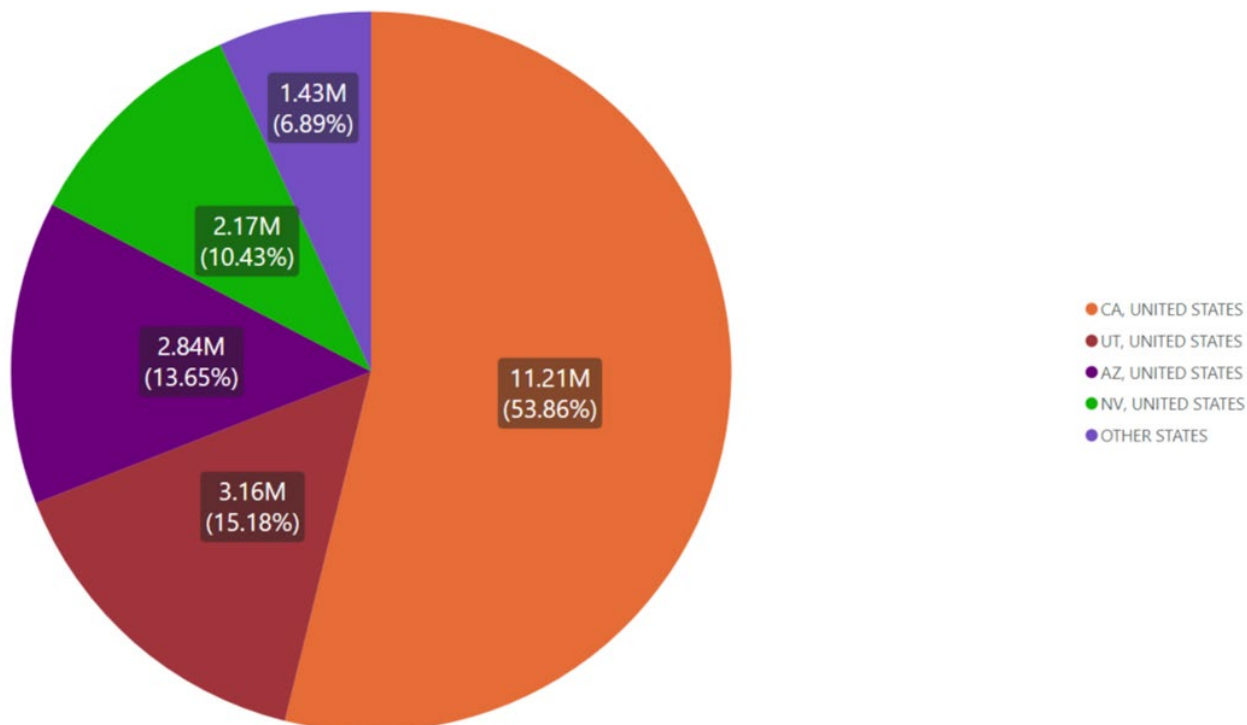
Just over half of California’s land-disposed hazardous waste has been disposed of outside of California. Since 2010, approximately 6,509,300 tons (52.2%) was disposed of outside California, with the remaining 5,956,000 tons (47.8%) disposed of within California (Figure 3.1-18).



*Figure 3.1-18: Management Location of California’s Manifested RCRA Hazardous Waste, tons (January 2010 to May 2022)*

California’s land-disposed manifested hazardous waste has been disposed of in 26 other states since 2010 (Figure 3.1-19). Nearly half has gone to three states:

- Utah – 2,762,300 tons (22.3%)
- Arizona – 1,970,600 tons (15.9%)
- Nevada – 1,433,400 tons (11.6%)



*Figure 3.1-19: States that Accept California’s Hazardous Waste for Land Disposal, tons (January 2010 to May 2022)*

As shown in Section 2, 81 percent of the manifested hazardous waste generated in California since 2010 is non-RCRA. In most cases, this waste is not required to be managed as hazardous waste in other states, meaning they are not required to dispose of California’s non-RCRA waste in permitted hazardous waste land disposal facilities. Figure 3.1-20 compares the amount of manifested hazardous waste disposed of at hazardous waste landfills (Class 1 Landfill) with the amount disposed of in other landfills (Class 2 and Class 3).<sup>103</sup> Since 2010, approximately 7,091,800 tons (56.9%) of California’s manifested land-disposed hazardous waste was managed at permitted Class 1 landfills, and the remaining 5,373,400 tons (43.1%) was disposed of at other Class 2 or Class 3 landfills.

<sup>103</sup> Hazardous waste landfills (Class 1) are regulated under RCRA Subtitle C and non-hazardous Subtitle D landfills (Class 2 and Class 3) are regulated under RCRA Subtitle D

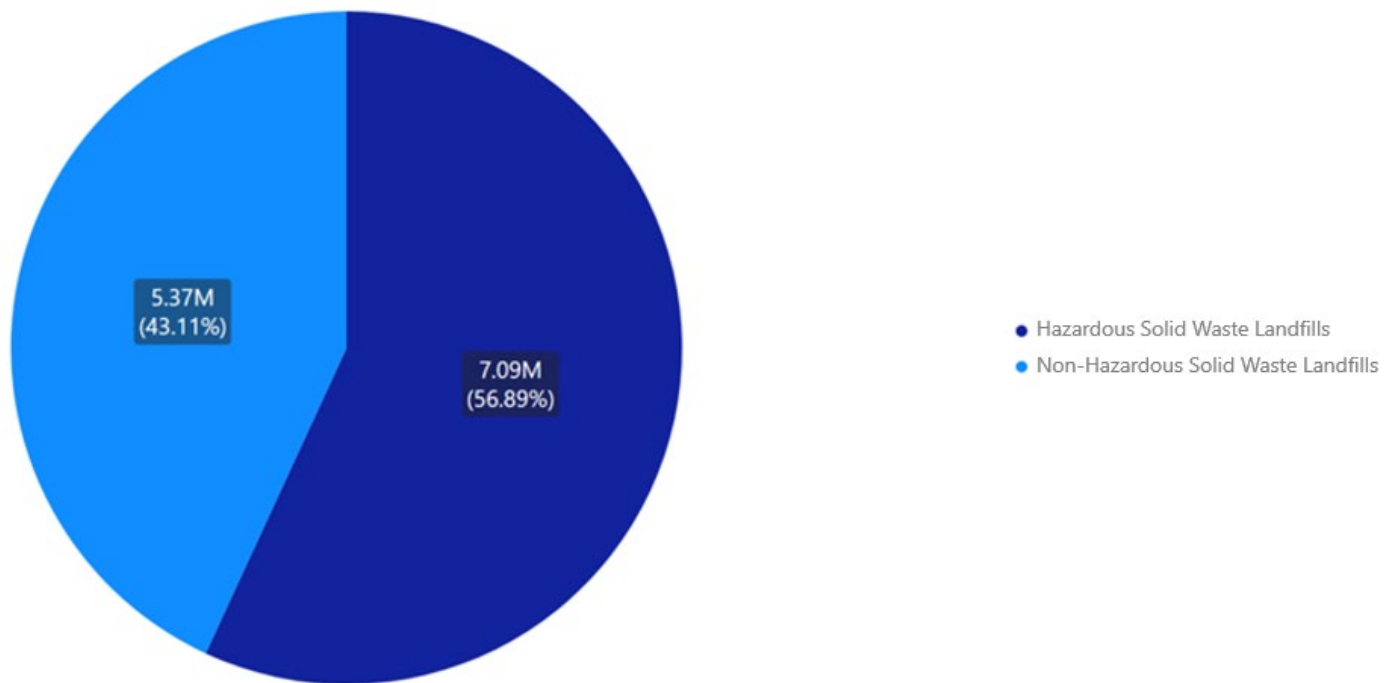


Figure 3.1-20: Land Disposal of California's Hazardous Waste, tons (January 2010 to May 2022)

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

### 3.1.3.1 Hazardous Waste Landfill Disposal

Permitted hazardous waste landfills are engineered sites where non-liquid hazardous waste is disposed of and which must be properly closed and covered once they are at capacity. These locations are designed and operated to minimize any release of hazardous waste into the environment.

Disposal of hazardous waste by means other than a permitted facility constitutes illegal disposal. Illegal disposal occurs either intentionally or out of ignorance. Examples of intentional illegal disposal include wastes that are abandoned along roadways, released into ditches or waterways, or released onto soils. These activities are often done to avoid the expense of proper waste management activities or to evade documentation as part of other illegal activities. Accidental illegal disposal usually occurs because an individual or facility operator does not realize the waste is considered hazardous under federal or state regulations and disposes of the waste, for instance, in a municipal landfill. It is very difficult, if not impossible, to obtain quantitative data on wastes that are disposed of illegally. However, if waste is found to be illegally disposed and is then

managed appropriately, the quantity would be included in HWTs because it would be manifested when removed.

Due to the complexity and stringent oversight of these facilities, not all states have permitted hazardous waste landfills. There are 18 permitted hazardous waste landfills in the United States. Figure 3.1-21 shows a map of all permitted hazardous waste landfills still in operation.

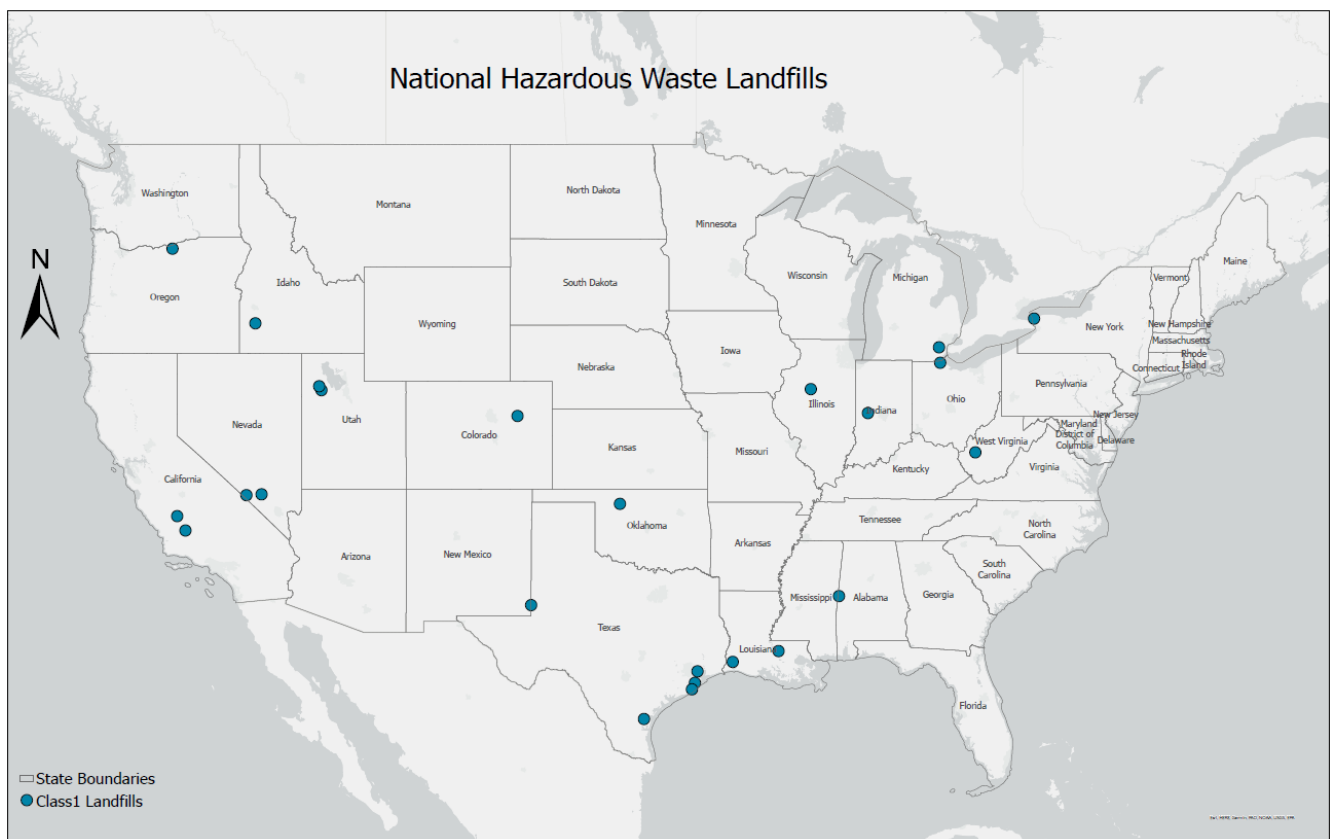
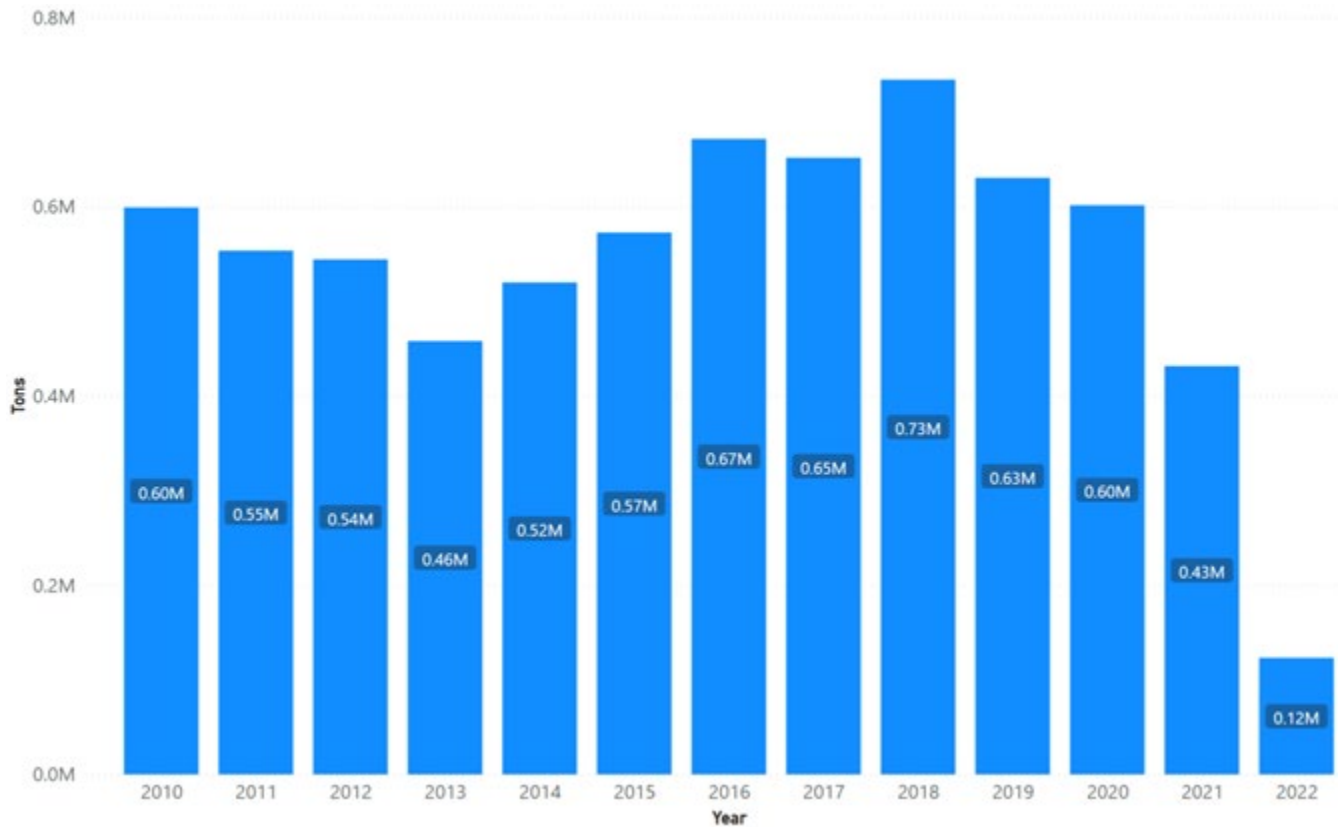


Figure 3.1-21: Map of Permitted Hazardous Waste Landfills in operation (as of 2022)

Since 2010, about 7,091,800 tons of California’s manifested hazardous waste has been land disposed at permitted hazardous waste landfills. Annual quantities have ranged from 431,600 tons to 734,200 tons. Figure 3.1-22 shows California’s manifested hazardous waste land disposed at permitted hazardous waste landfills annually since the start of 2010.





*Figure 3.1-22: Annual Quantity of Hazardous Waste for Land Disposal at Permitted Hazardous Waste Landfills*

About 81 percent of manifested hazardous waste land disposed at permitted hazardous waste landfills since 2010 was non-RCRA hazardous waste, and about 18 percent was RCRA hazardous waste (Figure 3.1-23).

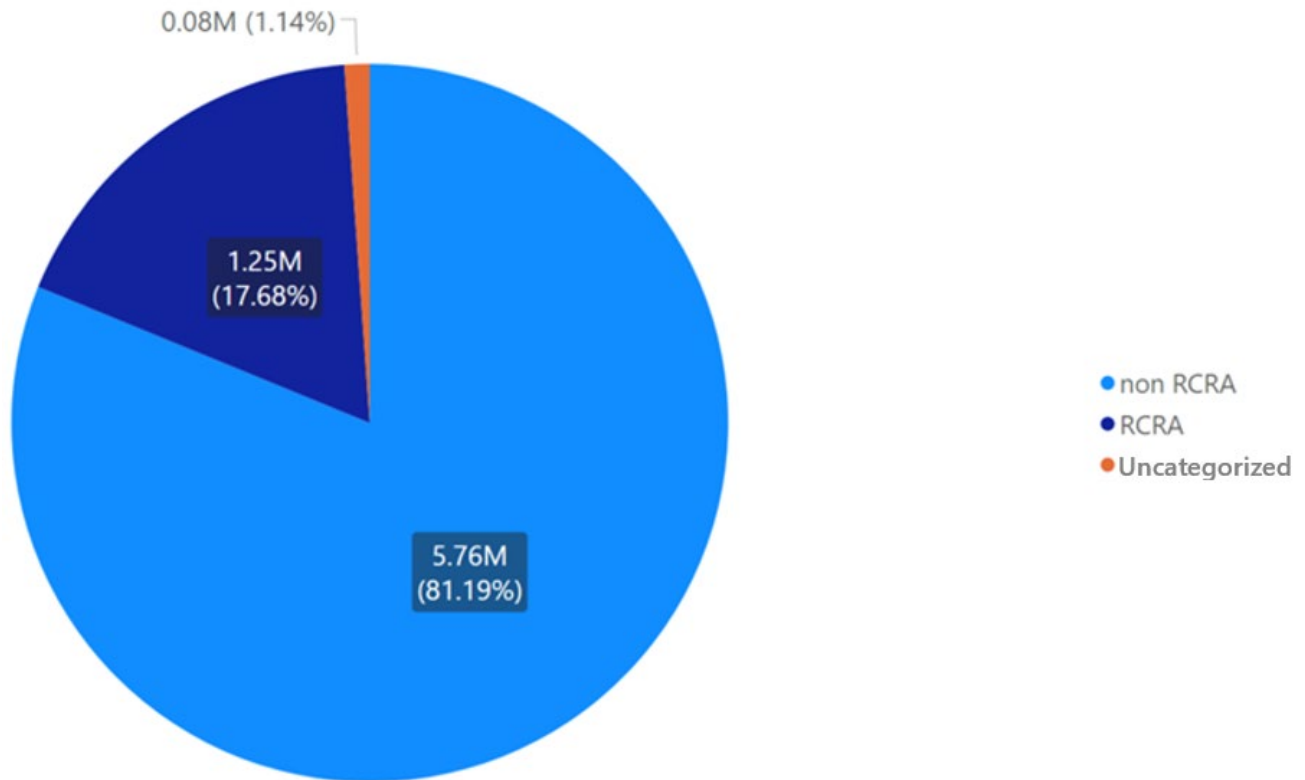


Figure 3.1-23: RCRA vs Non RCRA Waste being Land Disposed at Permitted Hazardous Waste Landfills, tons (January 2010 to May 2022)

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

### 3.1.3.1.1 Hazardous Waste Landfill Capacity

Hazardous waste landfill capacity is an important consideration for the proper management of California’s hazardous waste. U.S. EPA’s 2019 National Capacity Assessment Report reiterates important details about the complexities of regulating hazardous waste landfills.<sup>104</sup> First, hazardous waste landfill capacity is finite and landfills are essential to managing the nation’s hazardous waste. Second, hazardous waste landfills can be costly to operate and difficult to permit.

California has two hazardous waste landfills currently in operation – Clean Harbors Buttonwillow and Chemical Waste Management Inc. Kettleman. According to the 2019 Capacity Report, the combined remaining capacity at Clean Harbors Buttonwillow (5,943,100 tons) and Chemical Waste Management (3,798,000 tons) is 9,741,100 tons.

<sup>104</sup> U.S. EPA. National Capacity Assessment Report. December 2019.

At the current rate of disposal, with about 47.8 percent of California's land-disposed hazardous waste being disposed of in the state each year, these two landfills have a combined 20.1 years of permitted capacity remaining. If 100 percent of the state's 1,016,000 tons per year were disposed of in California, these two landfills would have a combined 9.6 years of permitted capacity remaining.

Any change to the available hazardous waste landfill capacity can alter where California's waste is managed. This was seen in the 2000's when the Chemical Waste Management Kettleman Hills Facility (KHF) began winding down operations and accepting less waste as it awaited approval of its landfill expansion. During that time period, the proportion of hazardous waste shipped out of state increased from about 25 percent of all hazardous waste generated to nearly 50 percent.

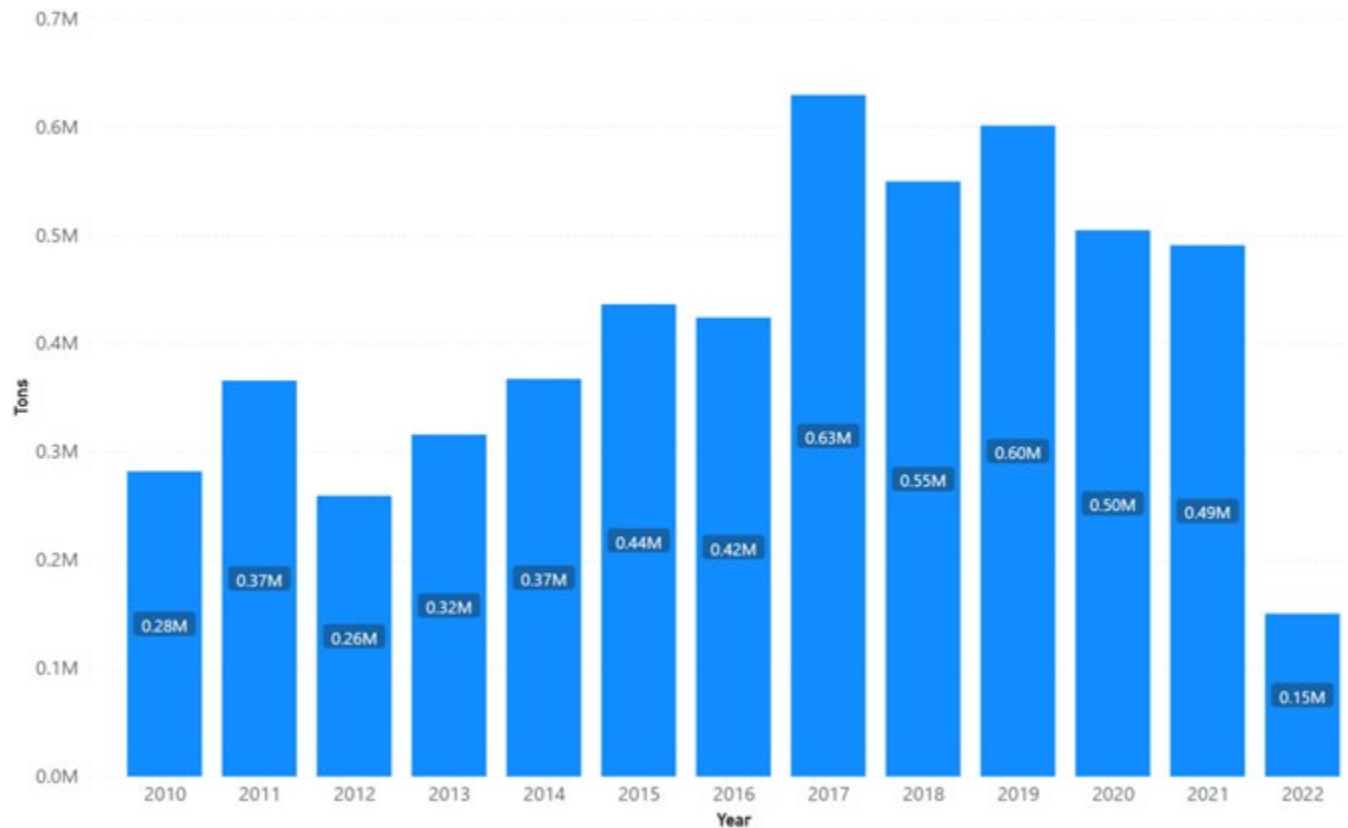
### 3.1.3.2 Non-Hazardous Waste Landfill Disposal

Manifested hazardous waste disposed of in California must be disposed of in a permitted Class 1 hazardous waste landfill. This includes RCRA and non-RCRA hazardous wastes. Some exceptions include non-RCRA Asbestos-containing Waste (State Waste Code 151) and Treated Wood Waste (State Waste Code 614). Within California, these wastes can be managed at authorized Class 2 or Class 3 solid waste landfills.<sup>105</sup> However, in almost all other states, non-RCRA hazardous waste can be managed at non-hazardous Class 2 or Class 3 solid waste landfills.

Since 2010, about 5,373,400 tons of manifested hazardous waste has been land disposed at non-hazardous solid waste landfills. Annual quantities have ranged from 259,200 tons to 1,280,900 tons. Figure 3.1-24 shows the annual quantity of California's hazardous waste that has been land disposed at non-hazardous Subtitle D landfills since 2010.

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<sup>105</sup> Disposal Facilities Authorized to Accept Treated Wood Waste ([Website Link](#))



*Figure 3.1-24: Annual Quantity of Hazardous Waste Land Disposed at Non-Hazardous Subtitle D Landfills*

About 97 percent of manifested hazardous waste land disposed at non-hazardous Subtitle D landfills was non-RCRA hazardous waste, and about 2 percent was RCRA hazardous waste (Figure 3.1-25).

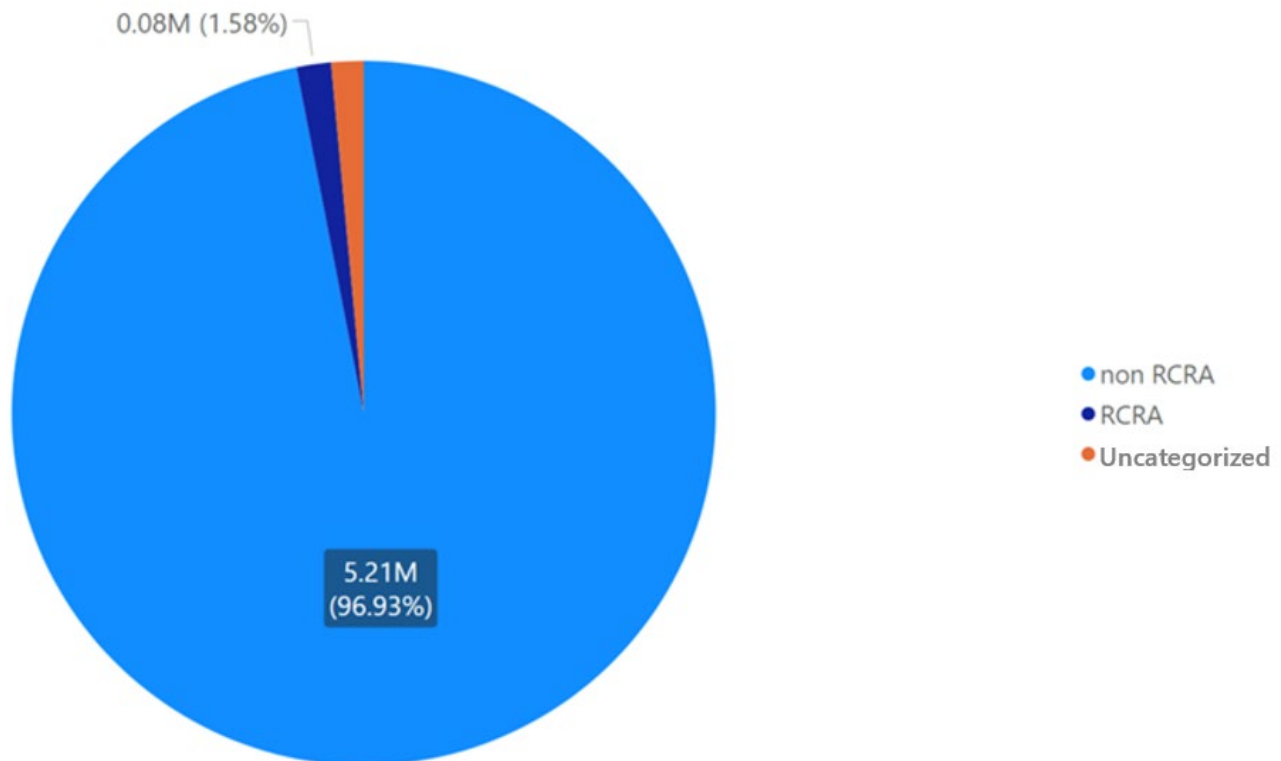


Figure 3.1-25: Breakdown of RCRA vs Non RCRA Hazardous Waste Land Disposed at non-Hazardous Landfills since 2010, tons

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

### 3.1.4 Amount of Manifested Hazardous Waste Treated

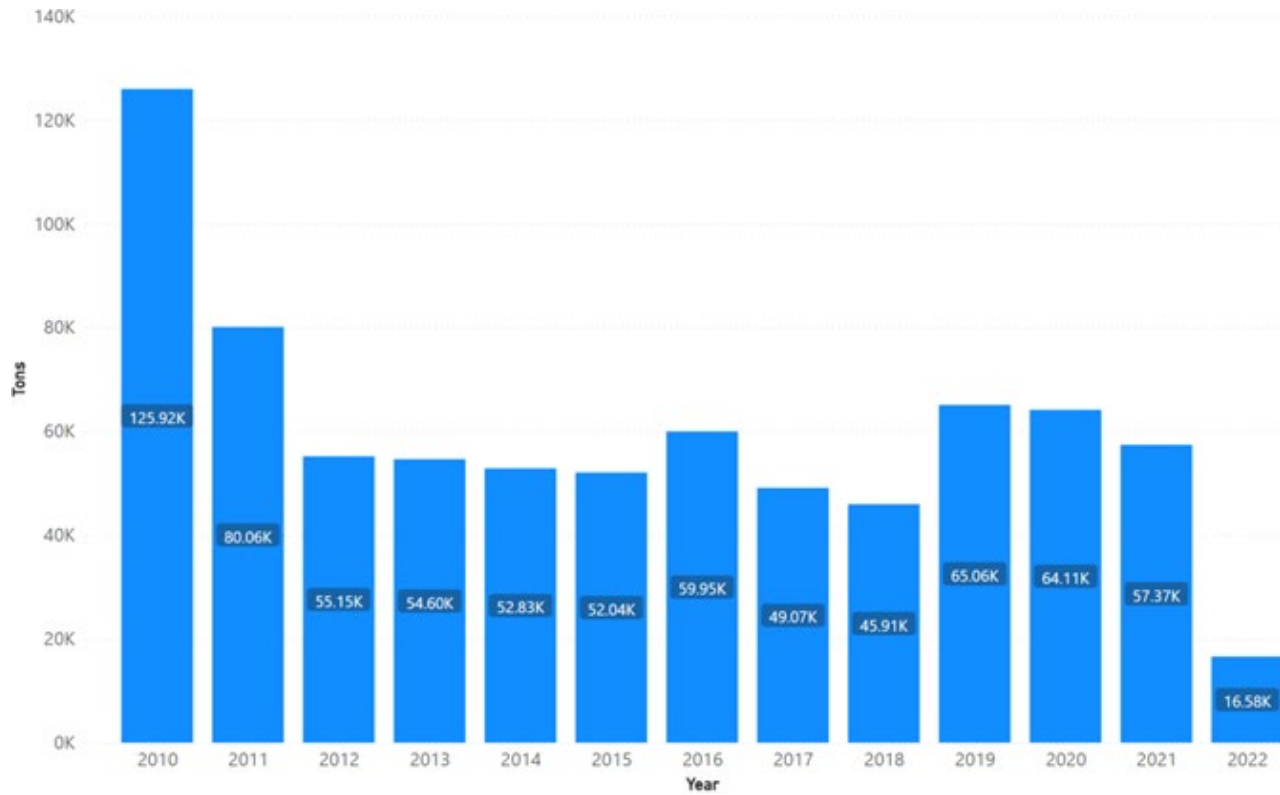
In accordance with Health and Safety Code § 25135(b)(1)(D), this Report has quantified the amount of manifested hazardous waste that has been treated, both within California and in other states.

Not all hazardous waste presents equivalent risks to human health and the environment. Some manifested hazardous waste is prohibited from land disposal if it has not been adequately treated. The criteria hazardous waste must meet before being disposed of are called treatment standards. These are either based on specific concentrations of hazardous constituents or specific treatment technologies that are required. Approved technologies have been identified that best minimize the mobility and/or toxicity of hazardous constituents. These are known as Best Demonstrated Available Technologies (BDAT) and may vary depending on the waste stream. Treatment standards are found in Cal. Code Regs., tit. 22, article 4.

To determine the quantity of manifested waste that has been treated, this Report utilized the waste management codes found on a manifest. The associated waste management codes are:

- H040 Incineration
- H071 Chemical reduction with or without precipitation
- H073 Cyanide destruction with or without precipitation
- H075 Chemical oxidation
- H076 Wet air oxidation
- H077 Chemical precipitation with or without pre-treatment
- H084 Biological treatment
- H082 Adsorption
- H083 Air or steam stripping
- H101 Sludge treatment and/or dewatering
- H103 Absorption
- H111 Stabilization and/or chemical fixation prior to disposal
- H112 Macro-encapsulation prior to disposal at another site
- H121 Neutralization
- H122 Evaporation
- H123 Settling or clarification
- H124 Phase separation
- H129 Other treatment methods

A review of this information within HWTS reveals that, since 2010, about 778,600 tons (3.7%) of California's manifested hazardous waste has been treated – between 46,000 tons and 126,000 tons annually. Figure 3.1-26 shows the quantity of California's manifested hazardous waste treated annually since the start of 2010.



*Figure 3.1-26: Annual Quantity of Hazardous Waste Treated*

About 66.9 percent of all treated manifested hazardous waste was RCRA hazardous waste, and 32.0 percent was non-RCRA hazardous waste (Figure 3.1-27).

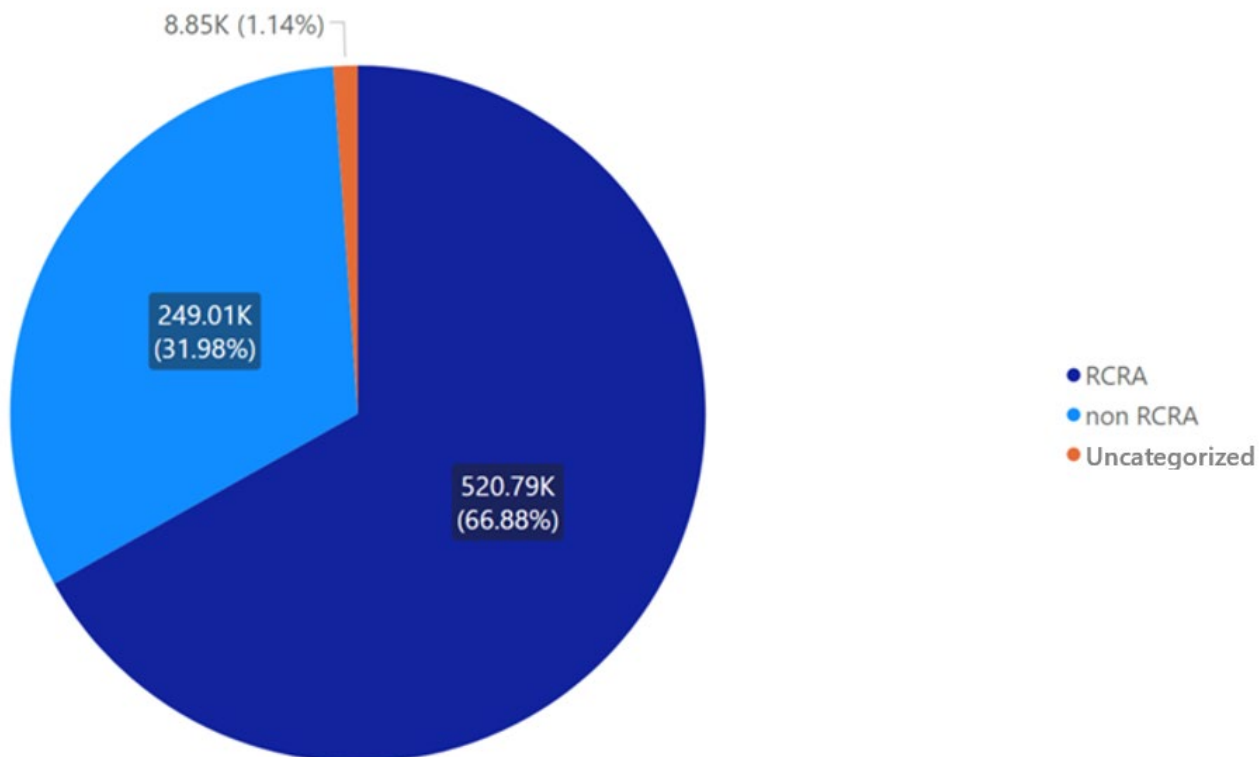


Figure 3.1-27: RCRA vs Non RCRA Hazardous Waste Treated since 2010, tons

Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.

As discussed earlier in this section, there are many methods of treating hazardous waste. Incineration is the most common method. Since 2010, about 80 percent of the manifested hazardous waste generated in California (623,800 tons) has been treated through incineration out of state (Figure 3.1-28).



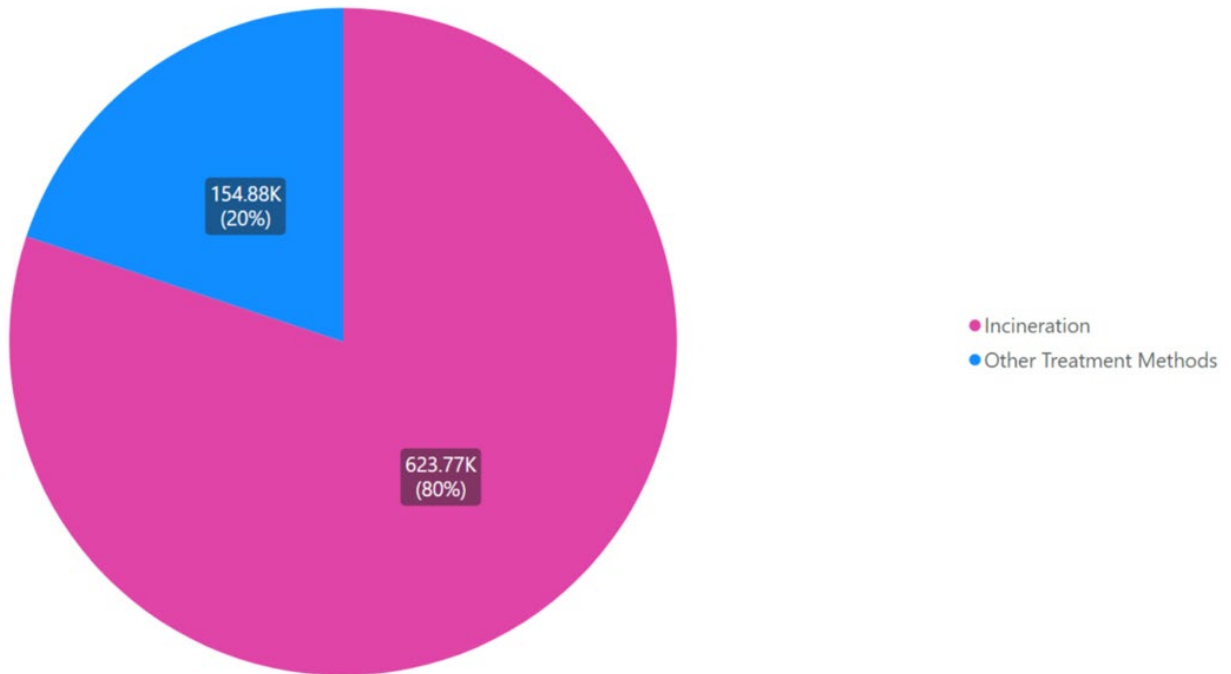


Figure 3.1-28: Quantity of Hazardous Waste Treatment per Management Method, tons

The remaining 154.900 tons (20%) of California’s manifested hazardous waste has been treated through stabilization, chemical precipitation, neutralization, or other treatment methods. (Figure 3.1-28).

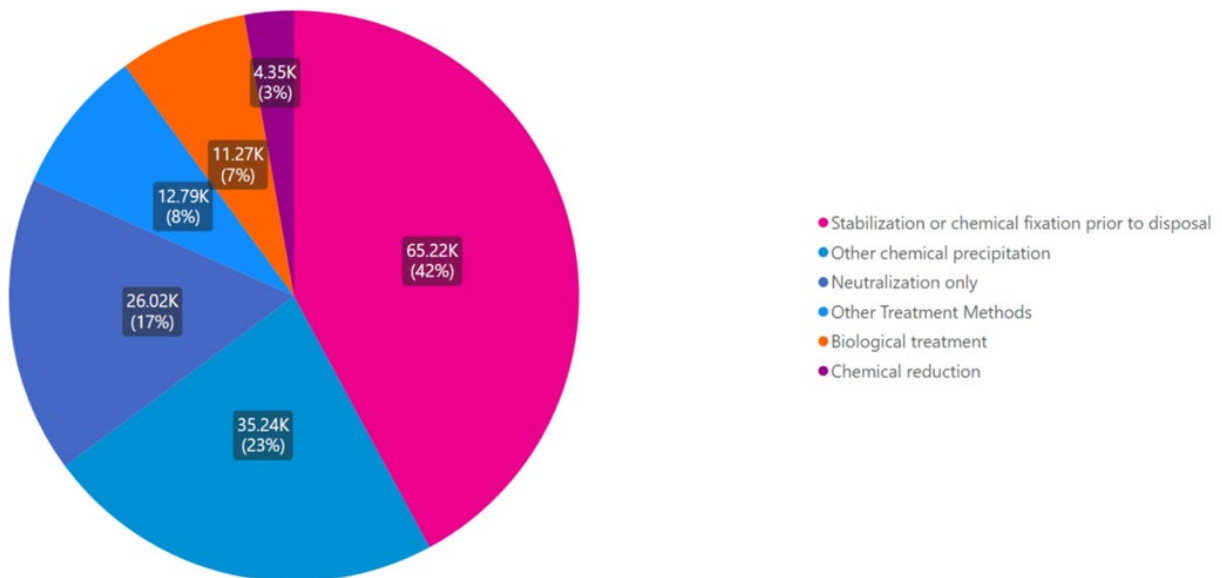
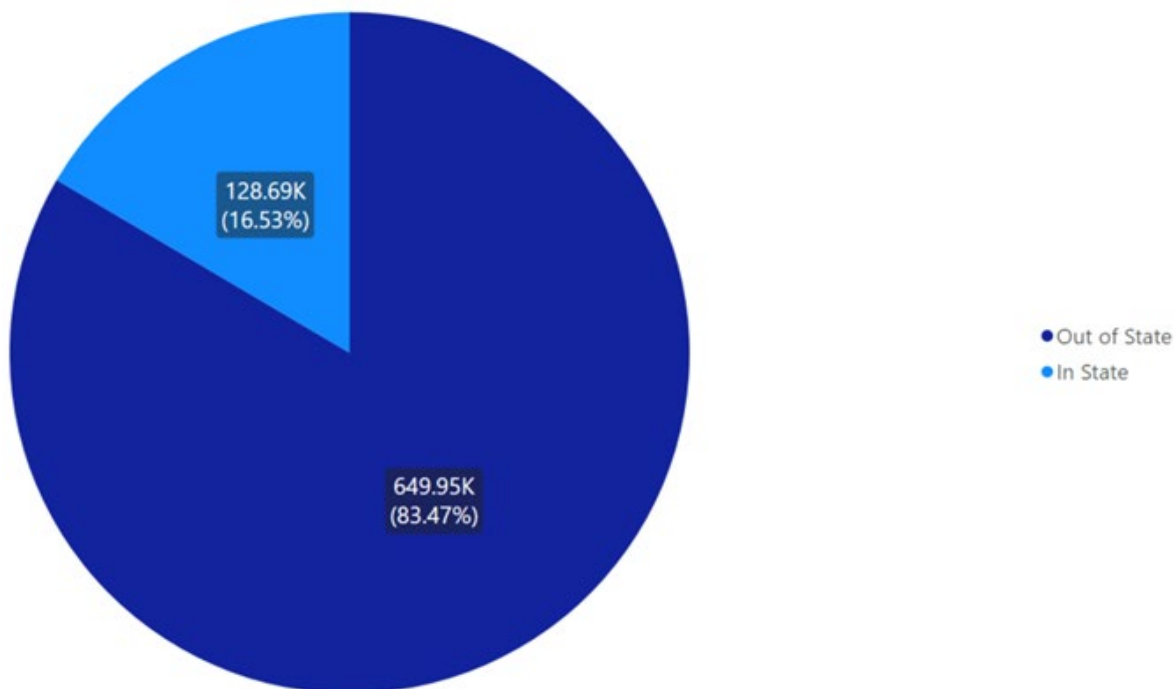


Figure 3.1-29: Quantity of Hazardous Waste Treatment per Management Method excluding Incineration, tons

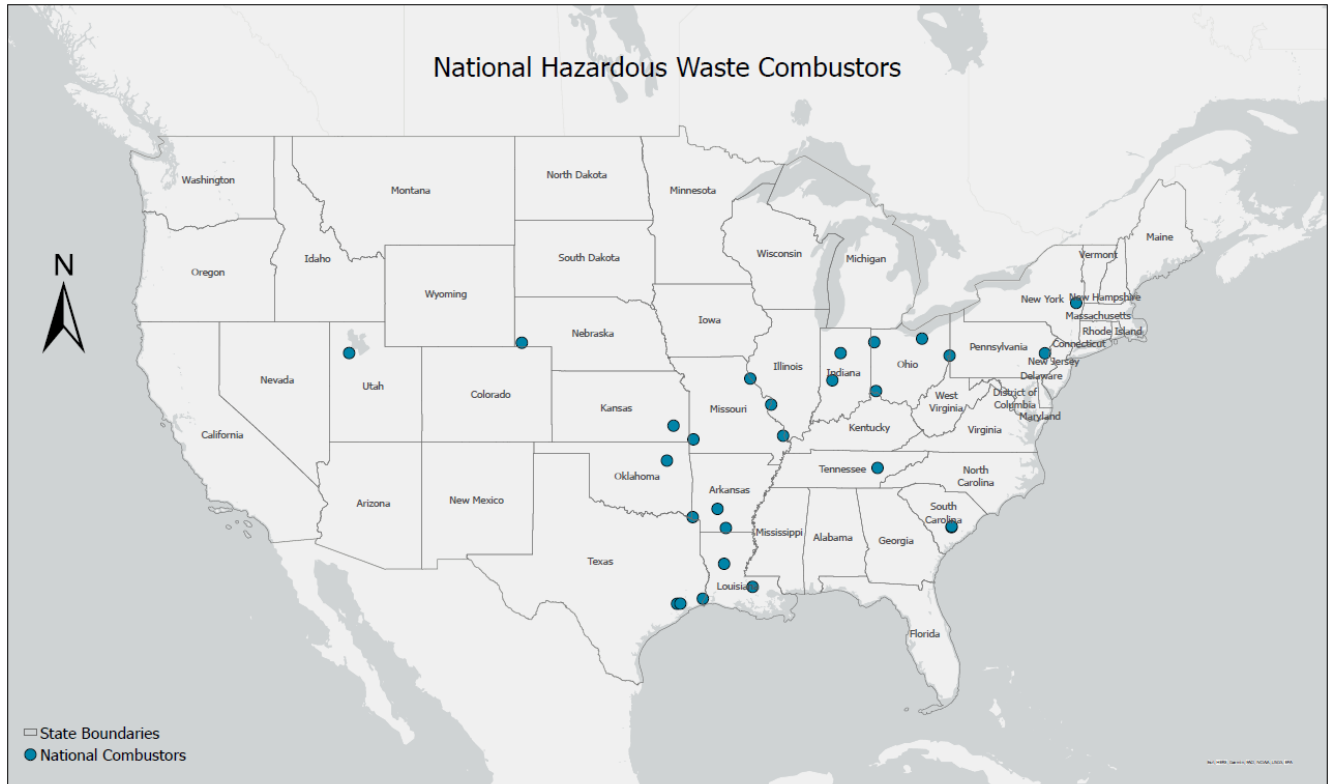
Since 2010, 16.5 percent of California’s hazardous waste has been treated within the state’s borders (128,700 tons), while 83.5 percent (650,000 tons) has been treated out of state (Figure 3.1-29).



*Figure 3.1-30: Breakdown of Hazardous Waste Treatment in California vs Out of State, tons*

*Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.*

One of the largest factors contributing to this disparity is the fact that 80 percent of all treated waste is shipped to be incinerated as required by RCRA, and there are no commercial incinerators in California. The closest commercial incinerator is in Utah. Figure 3.1-30 provides a map of all the nation’s commercial incinerators.



*Figure 3.1-31: Map of National Commercial Incinerators*

In June 2021, U.S. EPA became aware that some commercial hazardous waste incinerators would no longer accept containerized hazardous waste due to backlogs at their facilities. This limitation presented significant issues for hazardous waste generators because of regulatory limitations on storage times. Because many commercial incinerators stopped accepting hazardous waste that is required to be incinerated to meet land disposal restriction treatment standards, some generators could not locate any permitted TSDf to send their waste within the regulatory timeframes.

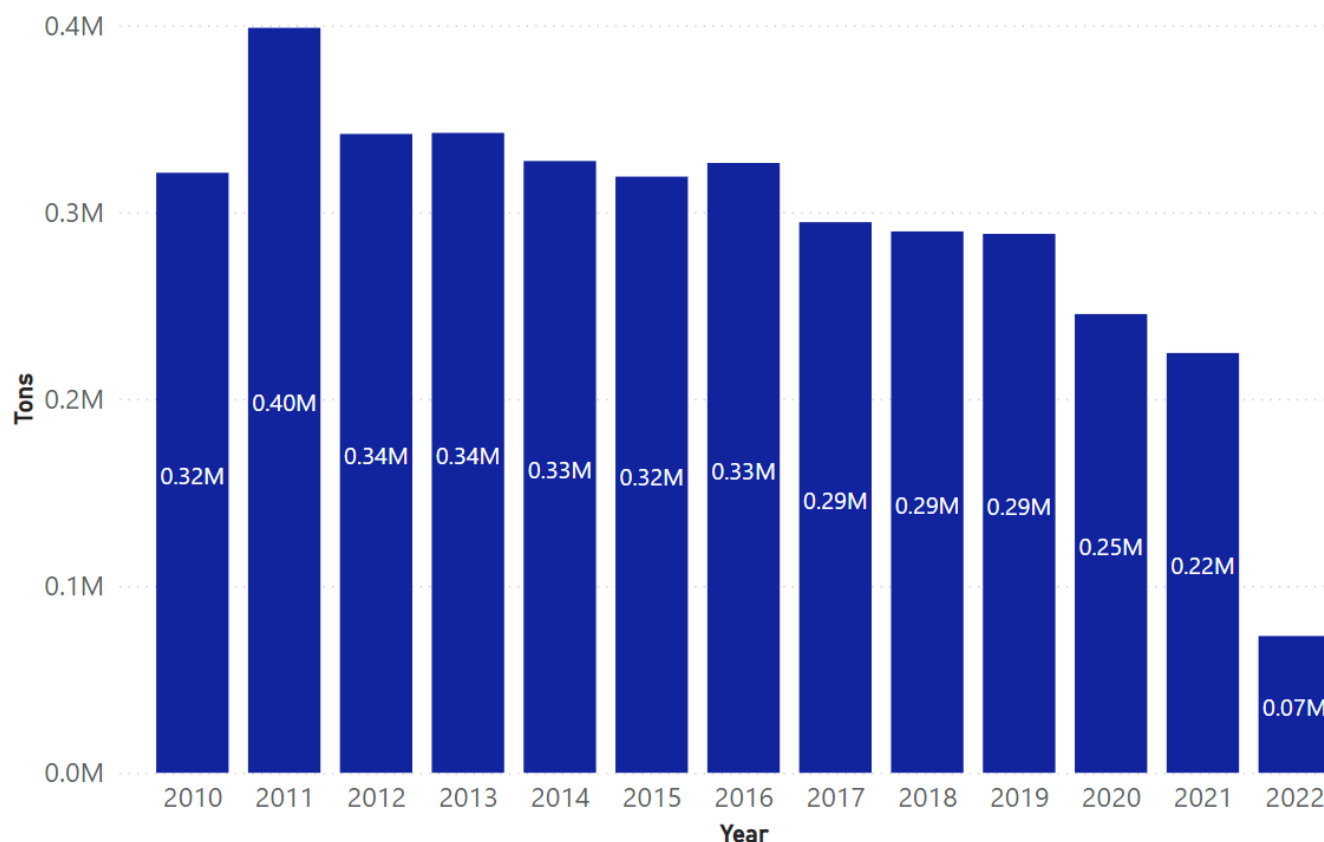
In August 2021, U.S. EPA issued a memorandum that provided regulatory options for containerized waste needing incineration.<sup>106</sup> The August 2021 memorandum indicated that the backlog may not be fully resolved until the first quarter of 2022.

### 3.1.5 Amount of Hazardous Waste Regulated under RCRA

In accordance with Health and Safety Code 25135(b)(1)(E), this Report has quantified the amount of manifested hazardous waste that is regulated under RCRA.

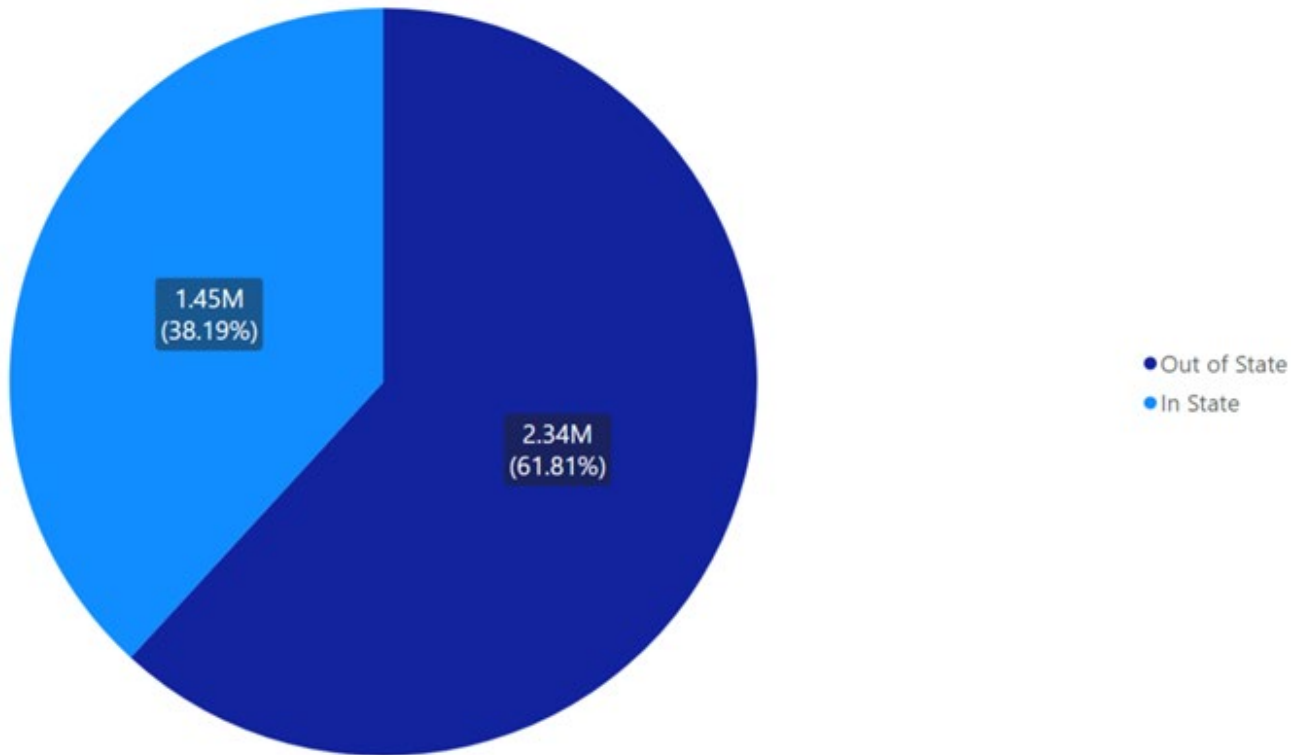
<sup>106</sup> U.S. EPA Memorandum, Regulatory Options for Addressing the Temporary Backlog of Containerized Hazardous Waste Needing Incineration, August 10, 2021 ([Website Link](#))

Since 2010, California has generated 21.05 million tons of manifested hazardous waste, with approximately 18 percent of that being RCRA hazardous waste (3.79 million tons). Generation of manifested RCRA hazardous waste has averaged 310,000 tons per year, ranging from 224,700 tons to 398,700 tons per year (Figure 3.1-31).



*Figure 3.1-32: Annual Amount of RCRA Manifested Hazardous Waste (January 2010 to May 2022)*

Most of California’s RCRA hazardous waste is managed outside the state. Since 2010, approximately 62 percent of California’s manifested RCRA hazardous waste (2.3 million tons) was managed outside the state, and the remaining 38 percent (1.45 million tons) was managed within California (Figure 3.1-32).



*Figure 3.1-33: Management Location of California’s Manifested RCRA Hazardous Waste, tons*

*Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.*

Since 2010, California’s manifested RCRA hazardous waste has been managed in 40 other states (Figure 3.1-33). The three states that have received the most manifested RCRA hazardous waste from California are:

- Nevada: 0.91 million tons (24.5%),
- Utah: 0.34 million tons (9.2%), and
- Kansas: 0.15 million tons (4.0%).

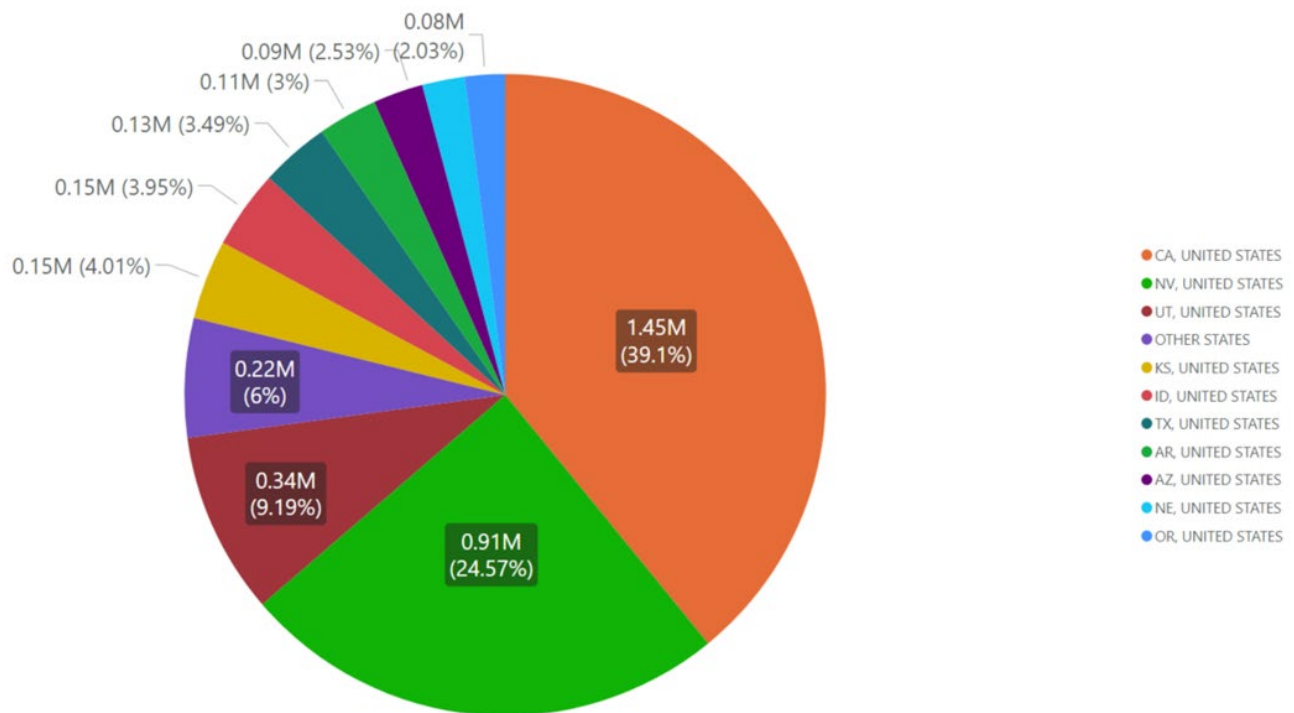


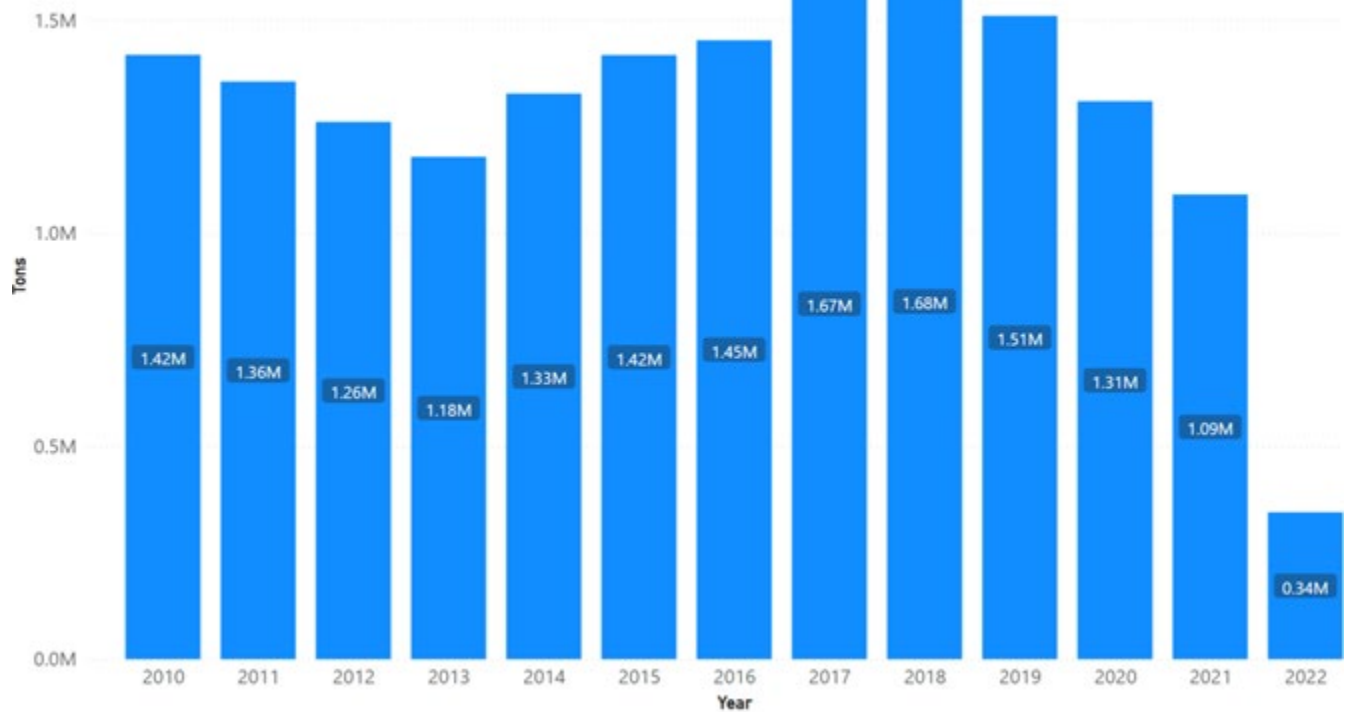
Figure 3.1-34: California's RCRA Manifested Hazardous Waste Managed in Each State, tons

The types of waste shipped to each state for management vary because different types are managed differently, and available management methods vary from state to state. For example, there are no hazardous waste incinerators in California, Utah is the nearest state that has a commercial incinerator, and most of the RCRA hazardous waste types shipped to Utah are those that are required to be incinerated.

### 3.1.6 Amount of Hazardous Waste Regulated only in California (non-RCRA)

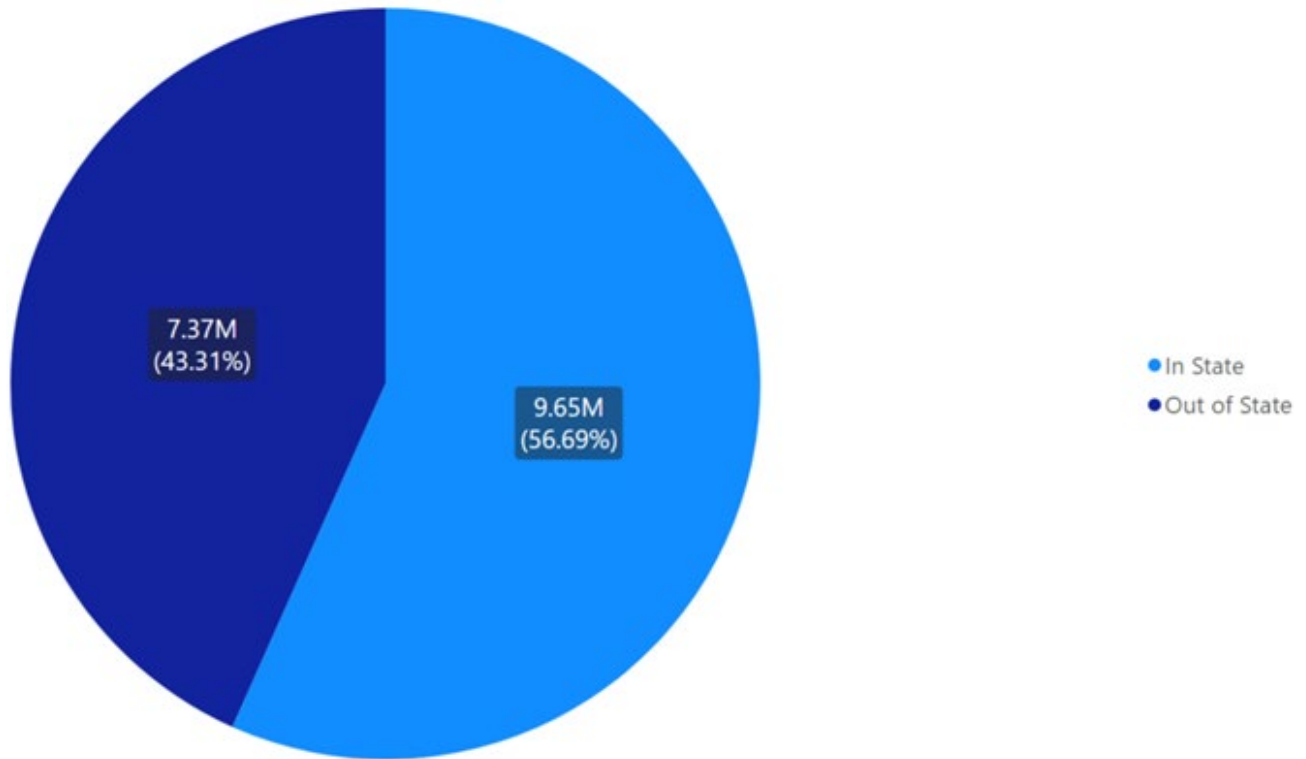
In accordance with Health and Safety Code § 25135(b)(1)(F), the following information quantifies the amount of non-RCRA manifested hazardous waste – that is, waste that is identified as hazardous only in California.

Since 2010, California has generated 21.05 million tons of manifested hazardous waste. Approximately 81 percent of that (17.02 million tons) has been non-RCRA hazardous waste. Generation of manifested non-RCRA hazardous waste averaged 1,389,800 tons per year and ranged between 1,091,200 tons and 1,680,300 tons per year (Figure 3.1-34).



*Figure 3.1–35: Annual Generation of Non-RCRA Hazardous Waste*

Just over half of California’s non-RCRA hazardous waste has been managed in California. Since 2010, 9.65 million tons (56.7%) of non-RCRA hazardous waste has been managed in California, and 7.37 million tons (43.3%) has been managed out of state. This can be seen in figure 3.1-35.



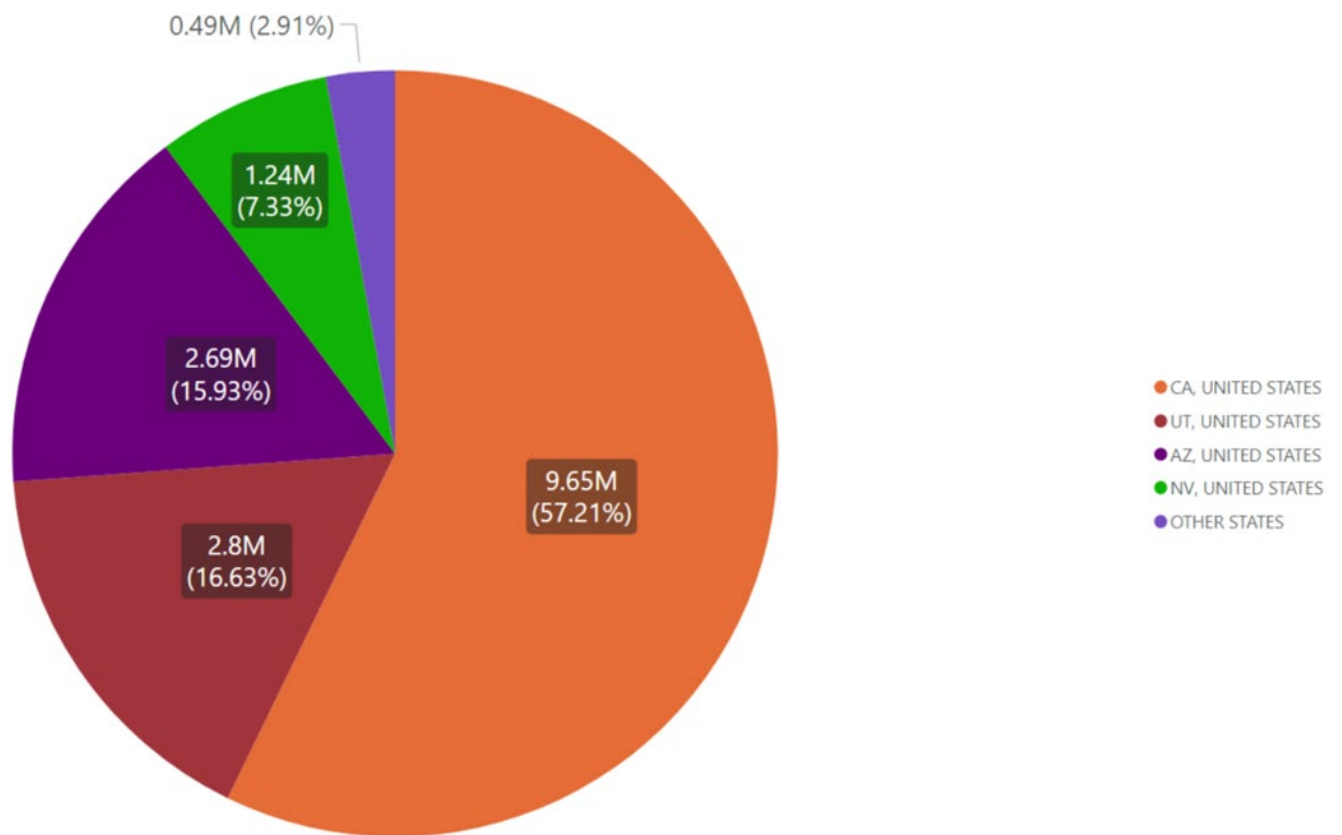
*Figure 3.1-36: Breakdown of non-RCRA Hazardous Waste Management in California vs Out of State, tons*

*Note: Data sourced from Hazardous Waste Tracking System after data validation methods. Data range January 1, 2010, through May 5, 2022.*

Forty-two other states have managed California’s manifested non-RCRA hazardous waste (Figure 3.1-36). The three states that have received the most manifested non-RCRA hazardous waste from California are:

- Utah: 2,804,600 tons (16.6%),
- Arizona: 2,687,100 tons (15.9%), and
- Nevada: 1,236,600 million tons (7.3%).





*Figure 3.1-37: Breakdown of California's non-RCRA Manifested Hazardous Waste Being Managed in Each State, tons*

The types of non-RCRA waste shipped to each state for management did not vary as much as with RCRA hazardous waste. For example, 91.3 percent of non-RCRA hazardous waste shipped to Utah was either Contaminated Soil from Site Cleanups (State Waste Code 611), Other Inorganic Solid Waste (State Waste Code 181), or Unspecified Oil-Containing Waste (State Waste Code 223). California shipped a similar distribution of non-RCRA hazardous waste to Arizona and to Nevada.

Utah has received 2,804,600 tons of non-RCRA hazardous waste since 2010. Contaminated soil made up 84 percent (2,350,000 tons). The primary method of managing California's non-RCRA hazardous waste in Utah is landfilling at 2,696,600 tons (95%).

One facility in Utah (ECDC Environmental) managed 93 percent of the non-RCRA hazardous waste shipped to that state from California. ECDC Environmental is a non-hazardous Subtitle D landfill that appears in HWTS under two EPA ID Numbers: UTC093012201 and UTR000000687. California's non-RCRA hazardous waste is typically not required to be managed as hazardous waste in other states.

The types of non-RCRA wastes shipped to Arizona have a similar makeup as those shipped to Utah. Since 2010, about 69.2 percent of non-RCRA hazardous waste shipped to Arizona have been either Contaminated Soil, Other Inorganic Solid Waste, or Asbestos-Containing waste (State Waste Code 151). The primary method of managing California's non-RCRA hazardous waste in Arizona is landfilling at 1,898,011 tons (71%).

Of the 2,687,100 tons of non-RCRA hazardous waste shipped to Arizona, 828,700 tons (30.8%) were managed at one non-hazardous Subtitle D landfill, South Yuma County Landfill (EPA ID Number: AZR000506980). The next largest receiver of California's non-RCRA hazardous waste in Arizona was La Paz, a non-hazardous Subtitle D landfill that appears in HWTS under two EPA ID Numbers: AZC950823111 and AZR000520882.

The types of non-RCRA wastes managed in Nevada have a similar makeup as those in Utah and Arizona. The top three non-RCRA waste categories shipped to Nevada since 2010 have been Other Inorganic Solid Waste (State Waste Code 181), Other Organic Solids (State Waste Code 352), and Contaminated Soil from Site Cleanups (State Waste Code 611). The primary method of managing California's non-RCRA hazardous waste in Nevada is landfilling at 738,100 tons (59.7%).

Of the 1,236,600 tons of non-RCRA hazardous waste shipped to Nevada, 91 percent (1,125,800 tons) have been managed at –US Ecology Nevada (EPA ID Number: NVT330010000), a Class 1 hazardous waste landfill.

## 3.2 Universal Waste

### 3.2.1 Regulated Entities

Destination facilities are fully regulated facilities that treat, dispose of, or recycle a specific kind of universal waste. Examples of destination facilities include hazardous waste treatment and/or recycling facilities and hazardous waste landfills.

A destination facility is required to operate under a hazardous waste facilities permit, unless otherwise noted in California Code of Regulations, Title 22, § 66273.60. Destination facilities must also follow certain rules for shipping universal wastes off site and for rejecting shipments that contain universal waste.<sup>106</sup> In addition, they are required to keep records of all shipments received for three years.<sup>107</sup>

A universal waste handler is a facility that accepts, accumulates, and ships universal waste and is not considered a destination facility.<sup>108</sup>

### 3.2.2 Electronic Devices

Quantifying the amount of electronic device waste handled and treated in California is difficult. One challenge is associated with the fact that handlers can choose whether to record devices they handle either by weight or by count. Because the sizes of electronic devices vary greatly – a mobile phone vs a television, for example – there is no reliable way to convert a number of devices reported to weight in tons or vice versa.

#### 3.2.2.1 Treated Electronic Devices

Universal waste handlers that handle electronic devices are authorized to conduct certain activities, including, but not limited to, removal, disassembly, and draining activities. They are allowed to remove user-replaceable components such as batteries and ink cartridges,<sup>109</sup> and they may also dismantle or manually segregate components from an electronic device.<sup>110</sup>

Other treatment activities universal waste handlers are allowed to conduct on electronic devices<sup>111</sup> include those that only change the physical properties of the device. This includes sawing, cutting, or shredding, as well as physically separating materials based on differences in physical properties like size, color, and density.

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<sup>106</sup> Cal. Code Regs., tit. 22, § 66273.61

<sup>107</sup> Cal. Code Regs., tit. 22, § 66273.62

<sup>108</sup> “DTSC Universal Waste Fact Sheet.” *Dtsc.ca.gov*, State of California, Jan. 2010, [Website Link](#).

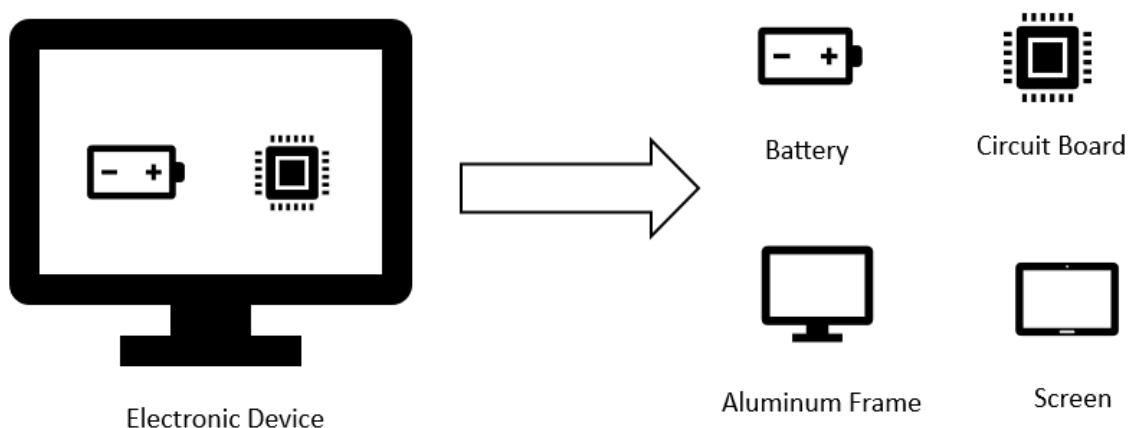
<sup>109</sup> Cal. Code Regs., tit. 22, § 66273.71(b)

<sup>110</sup> Cal. Code Regs., tit. 22, § 66273.72(c)(1)(a)

<sup>111</sup> Cal. Code Regs., tit. 22, § 66273.73(d)

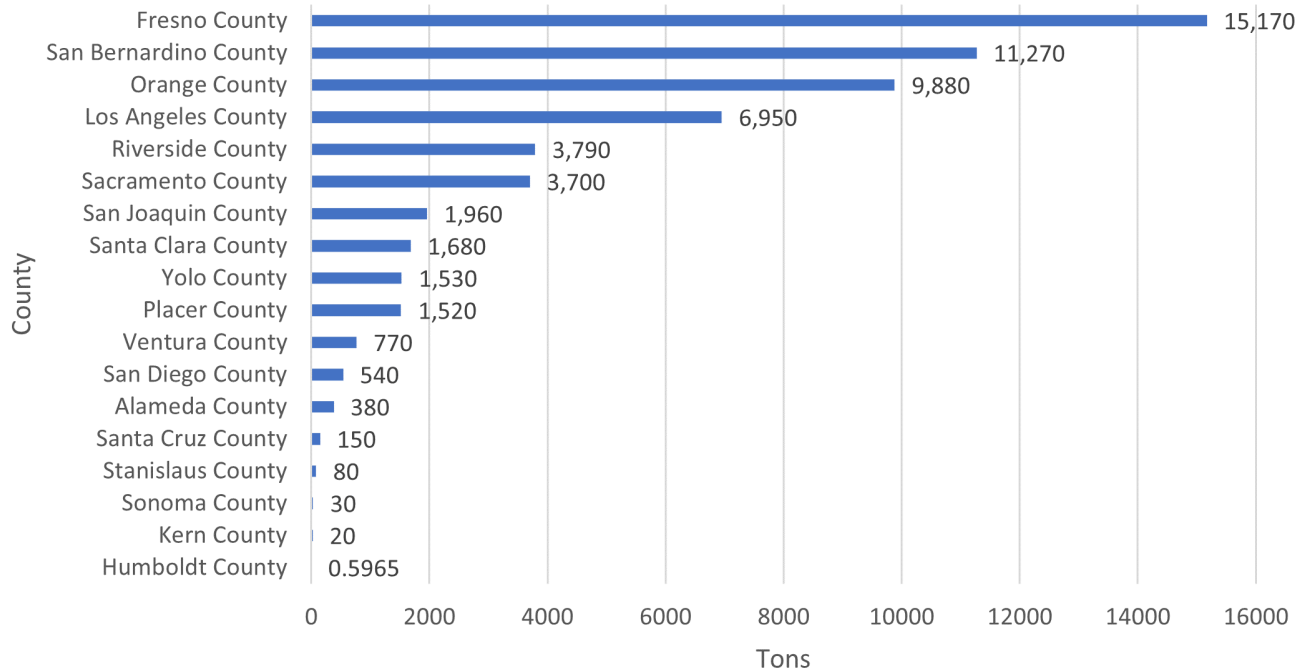
Treatment activities can make it difficult to accurately quantify electronic device waste, because handlers can record devices either by weight or by count (number of devices). For example, a handler may submit an annual report to DTSC listing a certain number of devices but then dismantle those devices into separate categories of waste, like plastic, metal, and battery packs. The handler may then ship those separate wastes to another handler or destination and list the materials by weight. In the end, the same materials can be listed in one report as a single electronic device and in another report as 4 pounds of plastic, 12 pounds of metal, and 3 pounds of battery pack (unspecified universal waste). Figure 3.2-1 illustrates how a single electronic device can be broken down into multiple components.

A further challenge to quantifying electronic device waste is presented when a waste is refurbished. A refurbished electronic device is no longer considered a waste, so it is not included in the handler’s annual report.



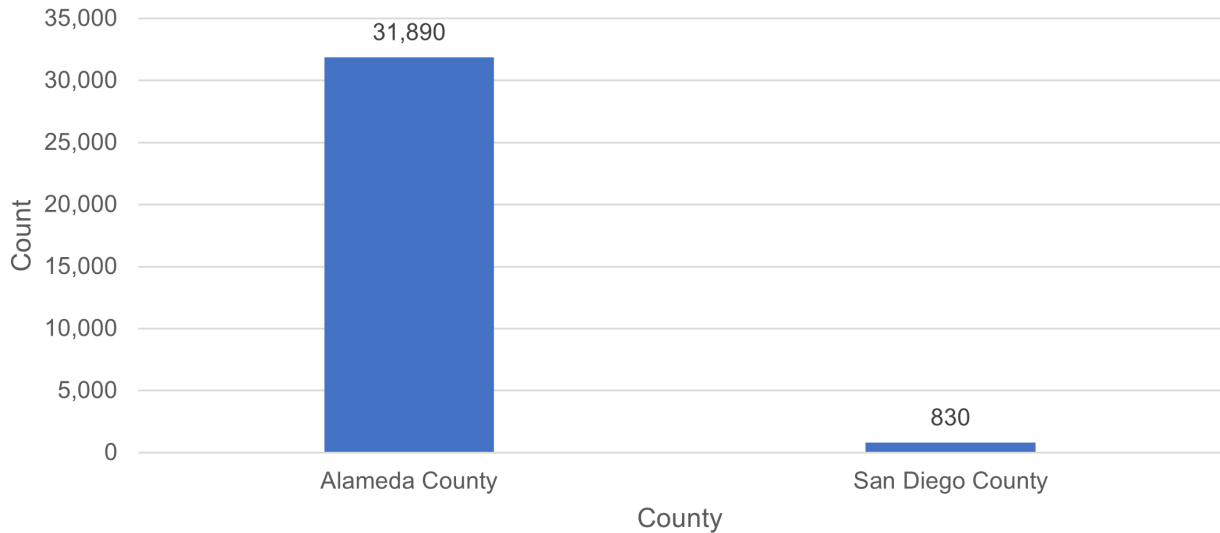
*Figure 3.2-1: Electronic Device Broken into Components*

Figure 3.2-2 shows treated electronic devices by weight (tons) in 2021 by county. About 59,410 tons of electronic devices were treated in California in 2021. Fresno County treated 15,170 tons (26%), San Bernardino County treated 11,270 tons (19%), and Orange County treated 9,880 tons (17%). Table 3.2-1 shows treated electronic devices by weight (tons) by county in 2021 in tons.



*Figure 3.2-2: Treated Electronic Devices by County, Tons, 2021*

Figure 3.2-3 shows treated electronic devices by count in 2021 by county. Only two counties recorded devices by count. Of the 32,720 electronic devices recorded in California in 2021, handlers in Alameda County treated 31,890 of them (97%) and handlers in San Diego County treated 830 (3%). There is no reliable conversion to determine the weight of electronic devices that are recorded by count because device sizes vary so greatly. Table 3.2-1 shows treated electronic devices by count in 2021 by county.



*Figure 3.2-3: Count of Treated Electronic Devices by County, 2021*

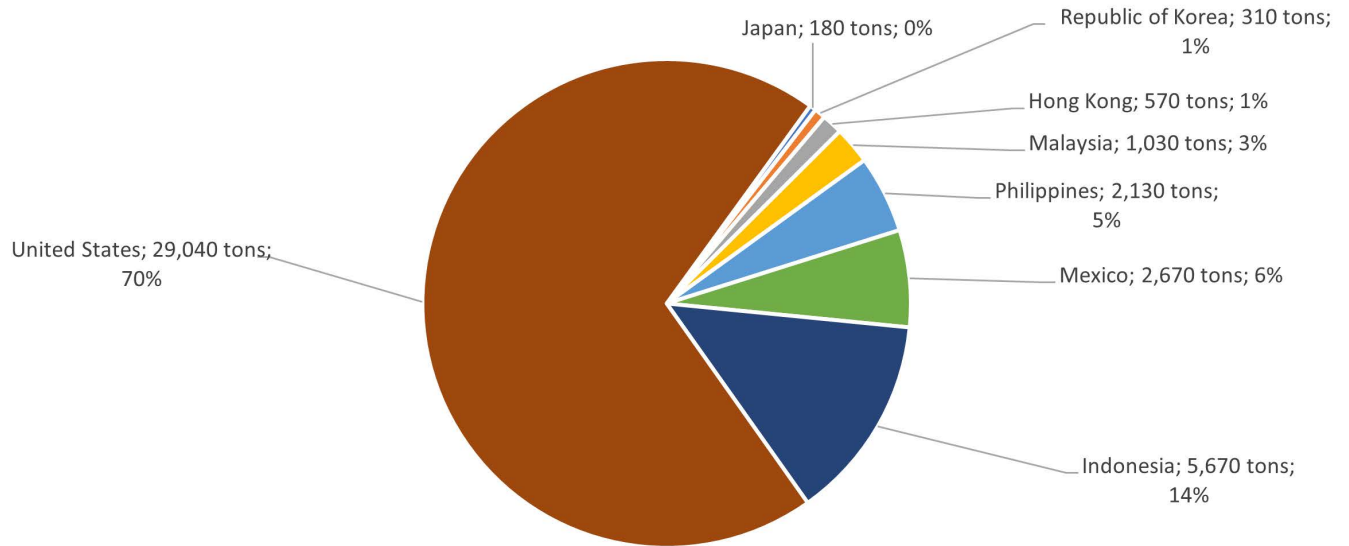
### 3.2.2.2 Destinations of Electronic Devices

Universal waste handlers can send waste either to another handler or to a destination facility<sup>112</sup> and must record the amount shipped in an annual report.<sup>113</sup> Handlers include the name, address, and phone number of the entity receiving the universal waste, but they are not required to report the types of activities conducted at those locations, so DTSC lacks that information.

Figure 3.2-4 shows the countries that received electronic devices from California in 2021. California handlers shipped about 41,600 tons of electronic devices to seven other countries in 2021. About 29,040 tons (70%) of electronic devices went to a location within the United States, about 5,670 tons (14%) were shipped to Indonesia, and about 2,670 tons (6%) went to Mexico. Table 3.22 shows destinations of electronic devices shipped from California in 2021.

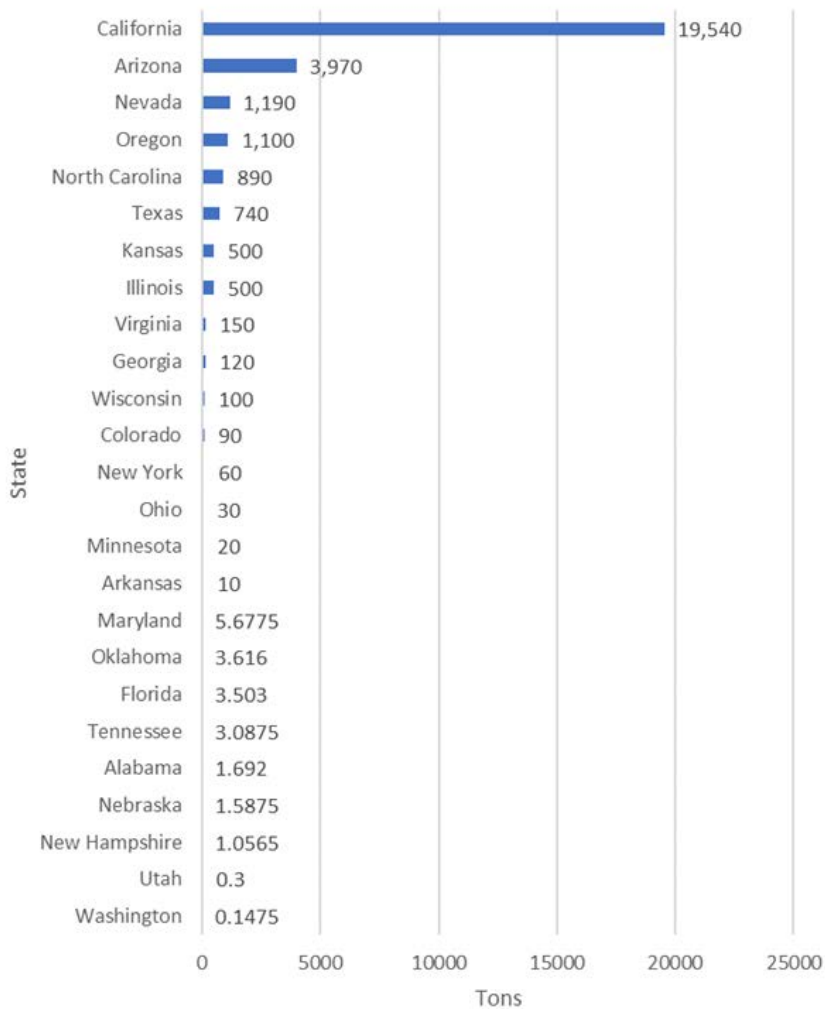
<sup>112</sup> Cal. Code Regs., tit. 22, § 66274.38(a)

<sup>113</sup> In UWED, this is called a destination, not a destination facility.



*Figure 3.2-4: Destinations of Electronic Devices by Country, Tons, 2021*

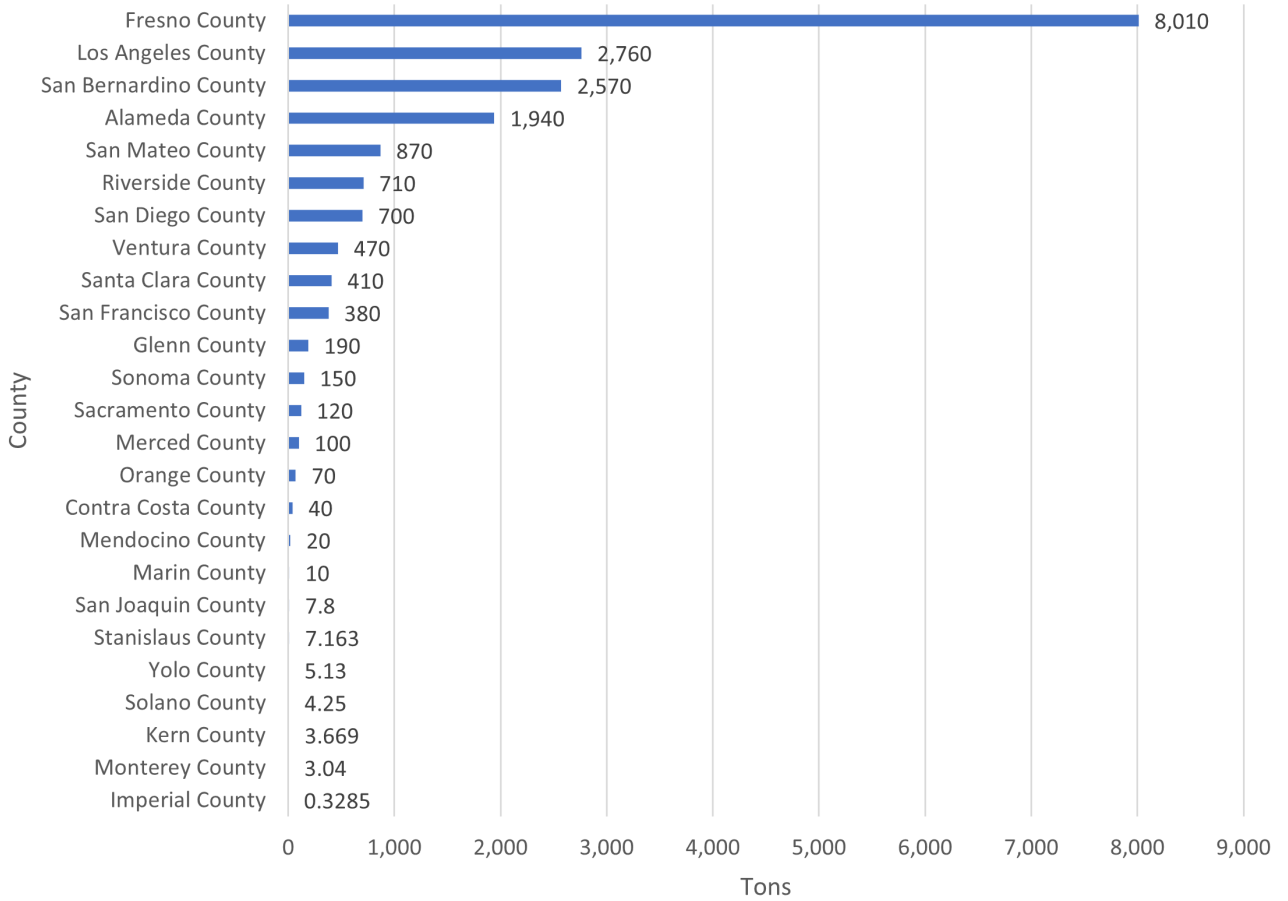
Figure 3.2-5 shows the states that received electronic devices from California in 2021. California handlers shipped about 29,040 tons of electronic devices to destinations in 25 states, including California. About 19,540 tons (67%) of electronic devices went to destinations within California, about 3,970 tons (14%) were shipped to Arizona, and about 1,190 tons (4%) went to Nevada. Table 3.2-3 shows the states that received electronic devices from California in 2021.



*Figure 3.2-5: Destinations of Electronic Devices by State, Tons, 2021*

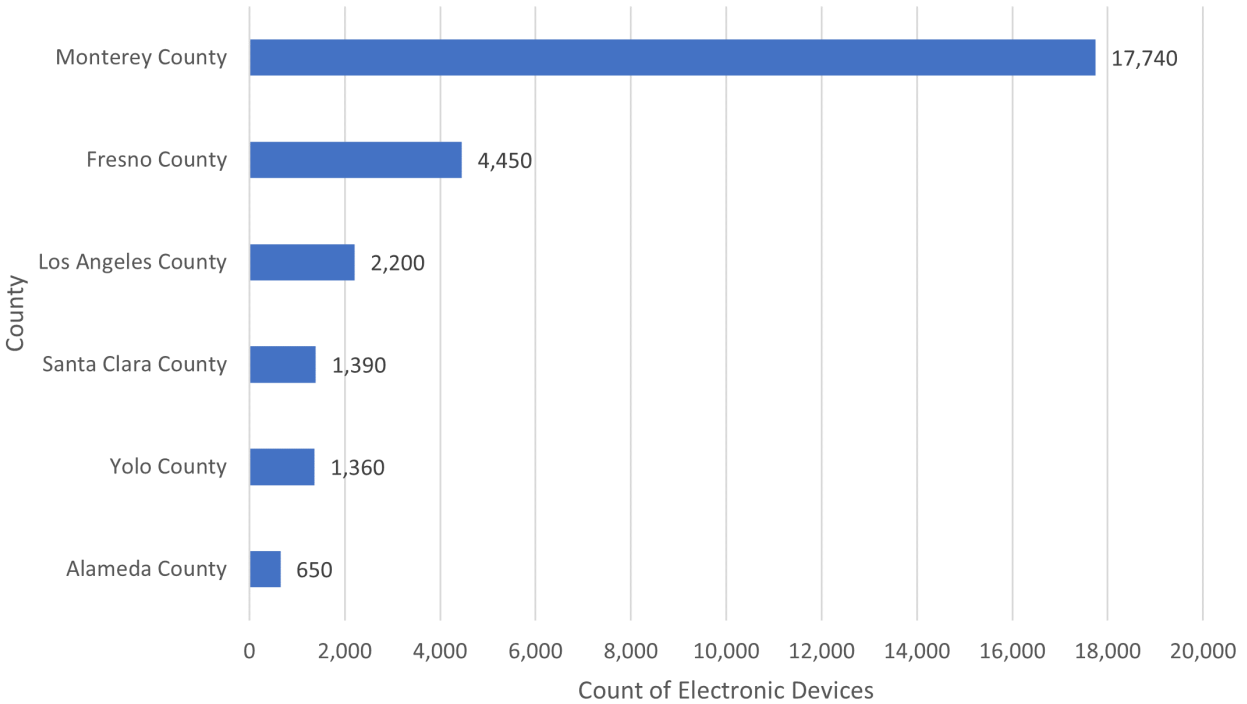
Figure 3.2-6 shows the California counties that received electronic devices in 2021 by weight. California handlers shipped about 19,540 tons of electronic devices to destinations in 21 counties. Fresno County destinations received 8,010 tons (41%) of shipped electronic devices, Los Angeles County destinations received 2,760 tons (14%), and San Bernardino County destinations received 2,570 tons (13%). Table 3.2-4 shows destination counties of electronic devices.





*Figure 3.2-6: Destinations of Electronic Devices by County, Tons, 2021*

Figure 3.2-7 shows the California counties that recorded electronic devices received by count in 2021. Of the 27,790 electronic devices recorded as being shipped to a destination in California, Monterey County destinations received 17,740 devices (64%), Fresno County destinations received 4,450 (16%), and Los Angeles County destinations received 2,200 devices (8%). Table 3.24 shows the destination counties of electronic devices.



*Figure 3.2-7: Destinations of Electronic Devices by County, by Count, 2021*

### 3.2.3 Cathode Ray Tube (CRT) Devices

#### 3.2.3.1 Treated CRT Devices

Universal waste handlers that handle Cathode Ray Tube (CRT) devices can either ship the devices to other facilities for treatment or treat them themselves. Handlers are authorized to remove CRTs from devices as long as it is done in a manner that prevents the CRT from breaking.<sup>114</sup>

Figure 3.2-8 shows the California counties where CRT devices were treated in 2021. Of the 18,180 tons of CRT devices treated, recyclers in Los Angeles County treated 4,410 tons (24%), recyclers in San Bernardino County treated 3,010 tons (17%), and recyclers in Riverside County treated 2,410 tons (13%). While some counties recorded CRT devices by count in annual reports, the HWPlan unit was able to convert these numbers to weight because CRT devices are more uniform in size than other electronic devices. The team multiplied the number of devices by 50 to arrive at a weight in pounds for counties that reported CRT devices by count.<sup>115</sup> Table 3.2-1 shows treated CRT devices by county in 2021 in tons.

<sup>114</sup> Cal. Code Regs., tit. 22, § 66273.72(b)(1)

<sup>115</sup> 50 is used for the weight of a CRT device to convert count of devices to weight.

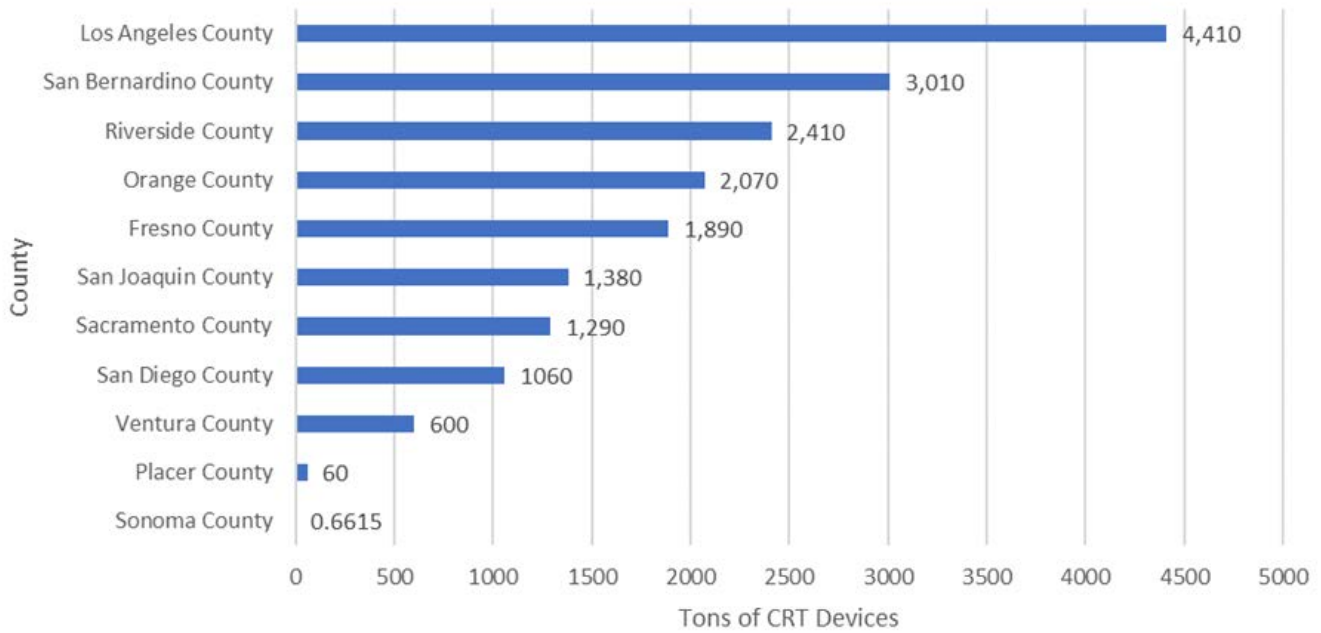


Figure 3.2-8: CRT Devices Treated by County, Tons, 2021

### 3.2.3.2 Destinations of CRT Devices

Figure 3.2-9 shows the countries that received CRT devices from California in 2021. California handlers shipped 2,810 tons of CRT devices to destinations in two countries in 2021. About 1,820 tons (65%) of California’s CRT devices went to destinations within the United States, and about 990 tons (35%) went to destinations in Mexico. Table 3.2-2 shows destinations of CRT devices in tons by country in 2021.

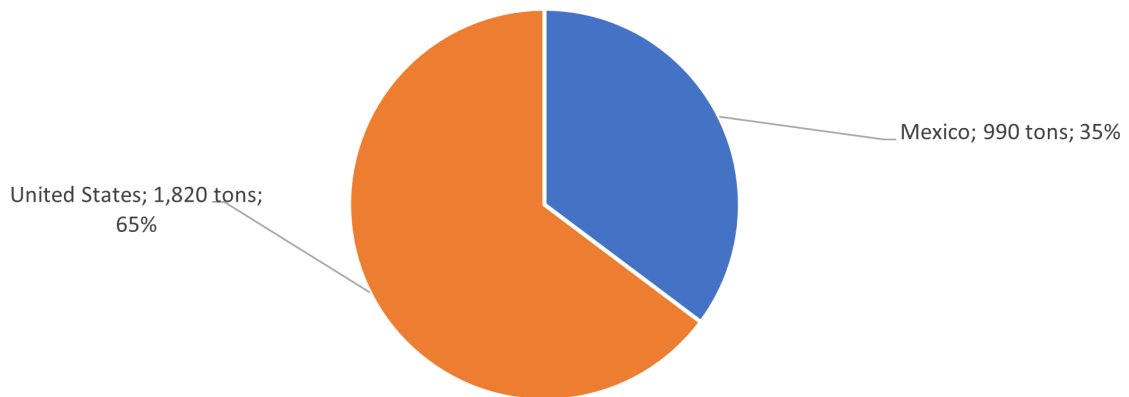


Figure 3.2-9: Destinations of CRT Devices by Country, Tons, in 2021

Figure 3.2-10 shows the states that received CRT devices from California in 2021. Of the 1,820 tons of CRT devices shipped to destinations within the United States in 2021, about 1,800 tons (99%) went to destinations within California. Oregon, Arizona, Texas,

Illinois, and Arkansas each received less than 10 tons of CRT devices from California. Table 3.2-3 shows destinations of CRT devices by state in tons in 2021.

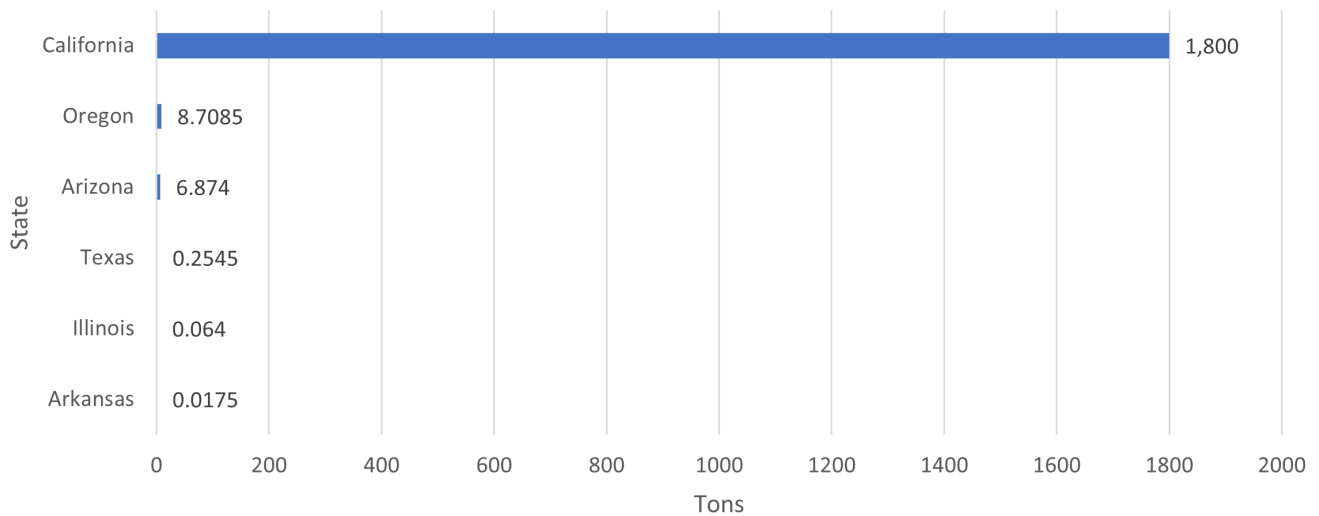


Figure 3.2-10: Destinations of CRT Devices by State, Tons, 2021

Figure 3.2-11 shows the California counties that handlers sent CRT devices to in 2021. Of the 1,800 tons of CRT devices shipped within California in 2021, about 860 tons (46%) went to destinations in Fresno County, about 400 tons (22%) went to destinations in Alameda County, and about 140 tons (8%) were shipped to destinations in Los Angeles County. Table 3.2-4 shows destinations of CRT devices in tons by county in 2021.

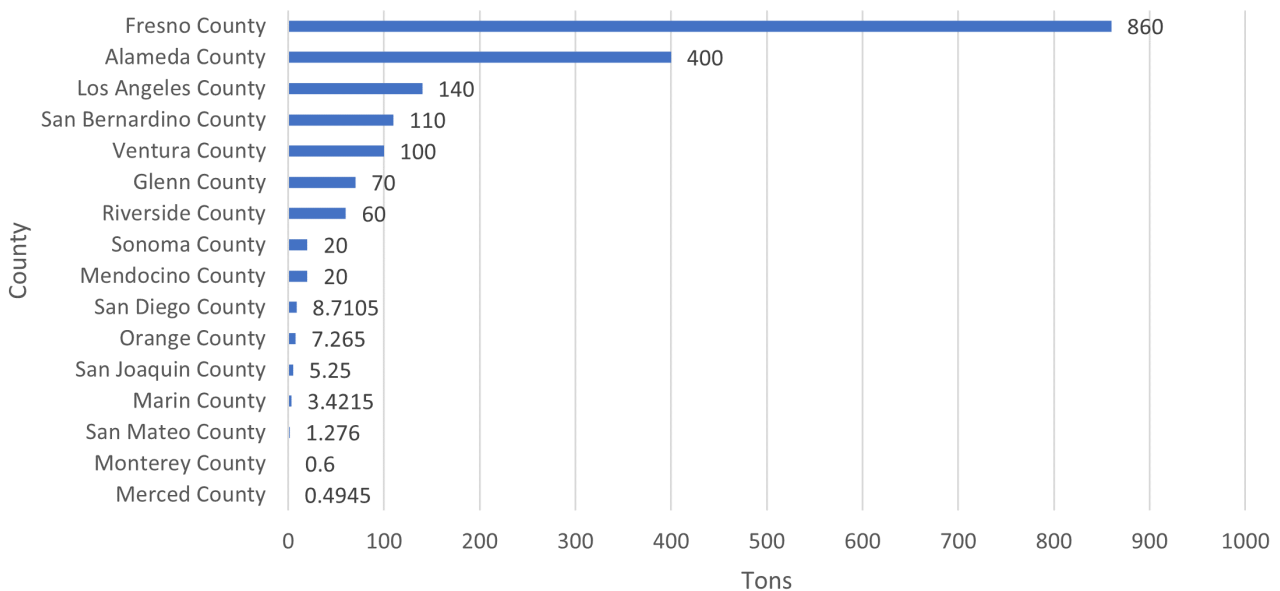


Figure 3.2-11: Destinations of CRT Devices by County, Tons, 2021

## 3.2.4 Cathode Ray Tubes (CRTs)

### 3.2.4.1 Treated CRTs

Universal waste handlers that handle CRTs and CRT glass are authorized to conduct certain treatment activities including:<sup>116</sup>

- physical treatment that changes only the physical properties of the CRT<sup>117</sup>
- physical separation based on differences in physical properties<sup>118</sup>
- use of a pinpoint torch or hot wire to check CRTs for glass separation<sup>119</sup>
- physical separation of CRT panel glass<sup>120</sup> from CRT funnel glass<sup>121</sup> for the disposal of CRT panel glass into a CRT glass approved landfill<sup>122</sup>
- physical separation of CRT panel glass from CRT funnel glass for the management of CRT panel glass pursuant to HSC § 25143.2.5<sup>123</sup>

These treatments are not authorized if they use chemicals, including water, and/or external heat.<sup>124</sup>

Figure 3.2-12 shows treated CRTs by county in California in 2021. Of the 6,680 tons of CRTs treated in California in 2021, about 5,620 tons (84%) were treated by San Bernardino County recyclers, about 740 tons (11%) were treated by Sacramento County recyclers, and about 320 tons (5%) were treated by Ventura County recyclers. Table 3.24 shows treated CRTs in tons by county in 2021.

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<sup>116</sup> Cal. Code Regs., tit. 22, § 66273.73(b)(2)

<sup>117</sup> Cal. Code Regs., tit. 22, § 66273.73(d)(1)(A)

<sup>118</sup> Cal. Code Regs., tit. 22, § 66273.73(d)(1)(B)

<sup>119</sup> Cal. Code Regs., tit. 22, § 66273.73(d)(1)(C)

<sup>120</sup> The face plate of a CRT, which contains a viewing surface.

<sup>121</sup> Any glass of a CRT separated from panel glass.

<sup>122</sup> Cal. Code Regs., tit. 22, § 66273.73(d)(1)(E)

<sup>123</sup> Cal. Code Regs., tit. 22, § 66273.73(d)(1)(F)

<sup>124</sup> Cal. Code Regs., tit. 22, § 66273.73(d)(2)(A)

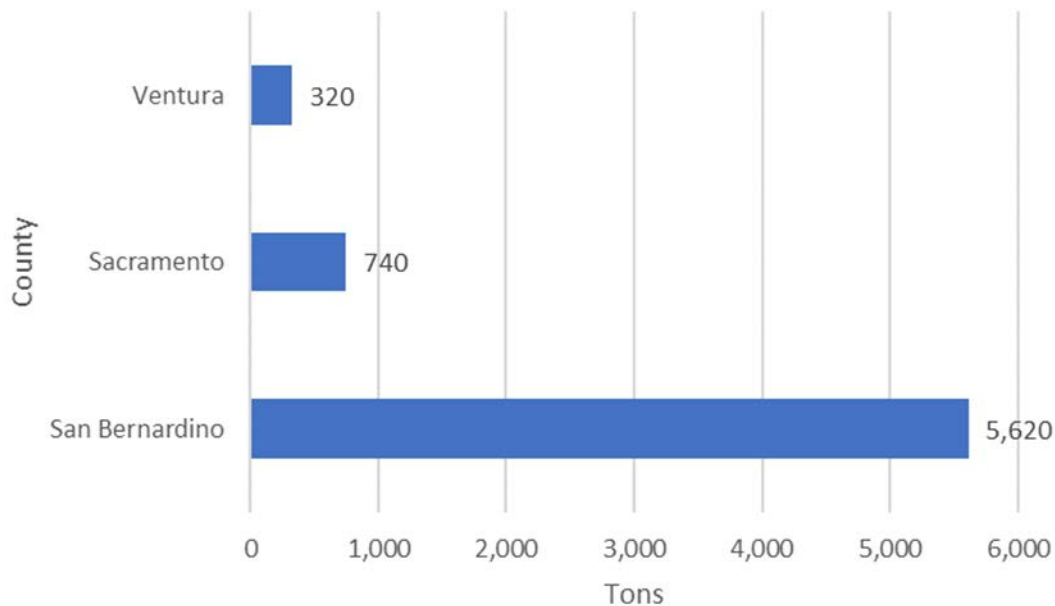


Figure 3.2-12: CRTs Treated by County, Tons, 2021

### 3.2.4.2 Destinations of CRTs

Universal waste handlers have five options for the disposition of waste CRTs and CRT glass:<sup>125</sup>

1. Send CRTs and CRT glass for recycling through CRT glass manufacturing or primary/secondary lead smelting.
2. Send CRTs and CRT glass to an intermediate facility for further processing.
3. Dispose of tested CRT panel glass in a CRT panel glass approved landfill, if certain requirements are met.<sup>126</sup>
4. Recycle CRT panel glass that only exceeds the Total Threshold Limit Concentration (TTL)<sup>127</sup> for barium; this recycled CRT panel glass is no longer considered a waste.
5. Manage CRTs and CRT glass as hazardous waste by disposing of them at a permitted hazardous waste facility.

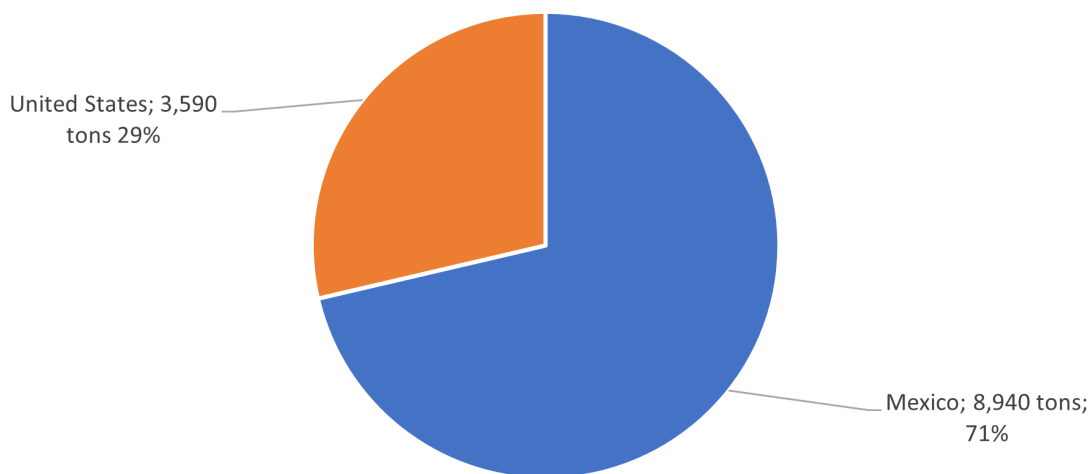
Figure 3.2-13 shows countries that received CRTs from California in 2021. California handlers shipped about 12,530 tons of CRTs to two countries in 2021. About 8,940 tons

<sup>125</sup> Department of Toxic Substances Control. *Final Disposition Options for Universal Waste: Cathode Ray Tubes and CRT Glass*

<sup>126</sup> Cal. Code Regs., tit. 22, § 66273.75(a)(9) and § 66273.75(f)(2)

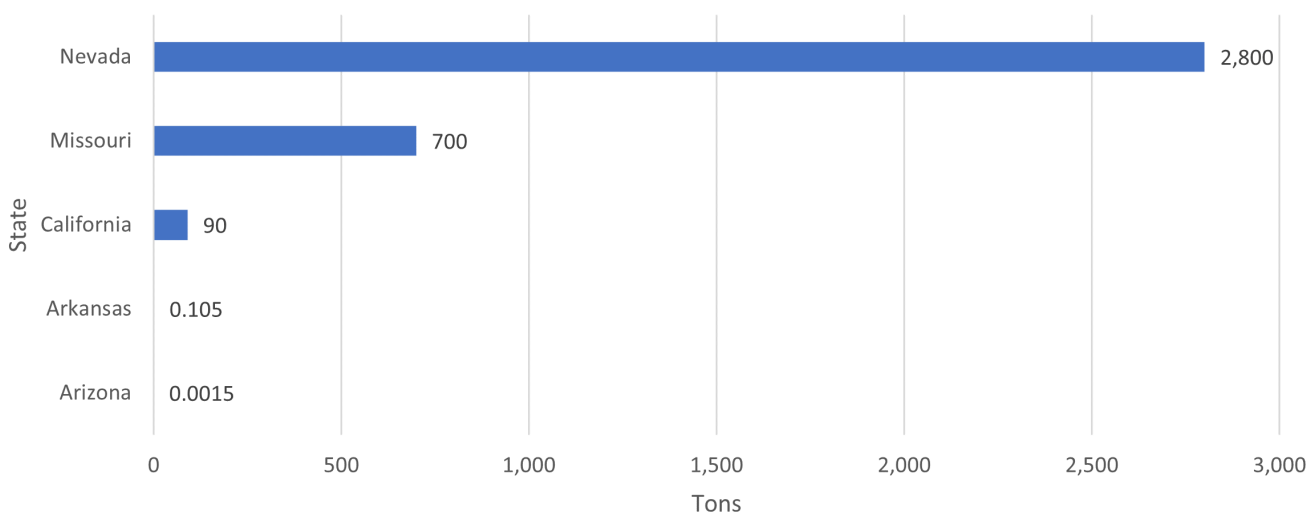
<sup>127</sup> Total Threshold Limit Concentration

(71%) went to Mexico, while about 3,590 tons (29%) went to destinations within the United States. Table 3.2-2 shows destinations of CRTs in tons by country in 2021.



*Figure 3.2-13: Destinations of CRTs by Country, Tons, 2021*

Figure 3.2-14 shows the states California handlers shipped CRTs to in 2021. Of the 3,590 tons of CRTs shipped within the United States in 2021, about 2,800 tons (79%) went to destinations in Nevada, about 700 tons (20%) went to destinations in Missouri, and about 90 tons (3%) went to destinations within California. Table 3.2-3 shows destinations of CRTs in tons by state in 2021.



*Figure 3.2-14: Destination of CRTs by State, Tons, 2021*

Figure 3.2-15 shows the California counties that handlers shipped CRTs to in 2021. Of the 90 tons of CRTs that were shipped within California in 2021, about 60 tons (67%) went to destinations in Fresno County, and about 30 tons (33%) went to destinations in Alameda County. Table 3.2-4 shows destinations of CRTs in tons by county in 2021.

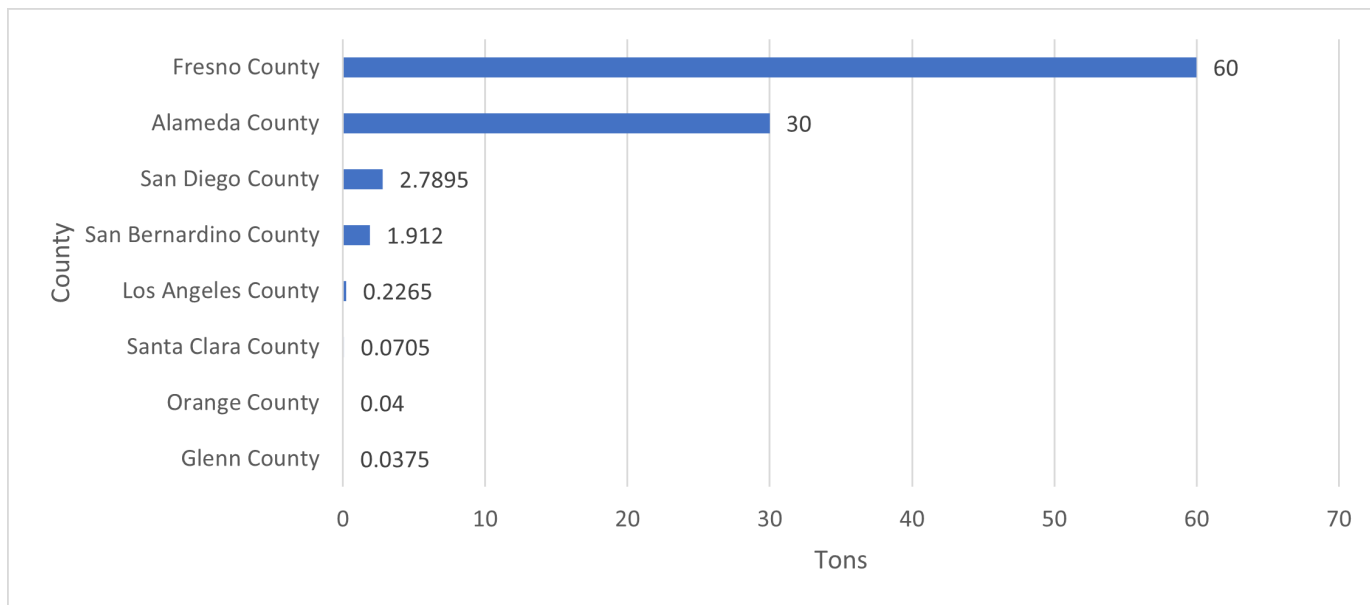


Figure 3.2-15: Destinations of CRTs by County, Tons, 2021

### 3.2.5 CRT Glass

CRT glass is handled separately from CRTs when it has been separated from CRTs either because of treatment or breakage.

#### 3.2.5.1 Treated CRT Glass

No CRT glass was treated in California in 2021.

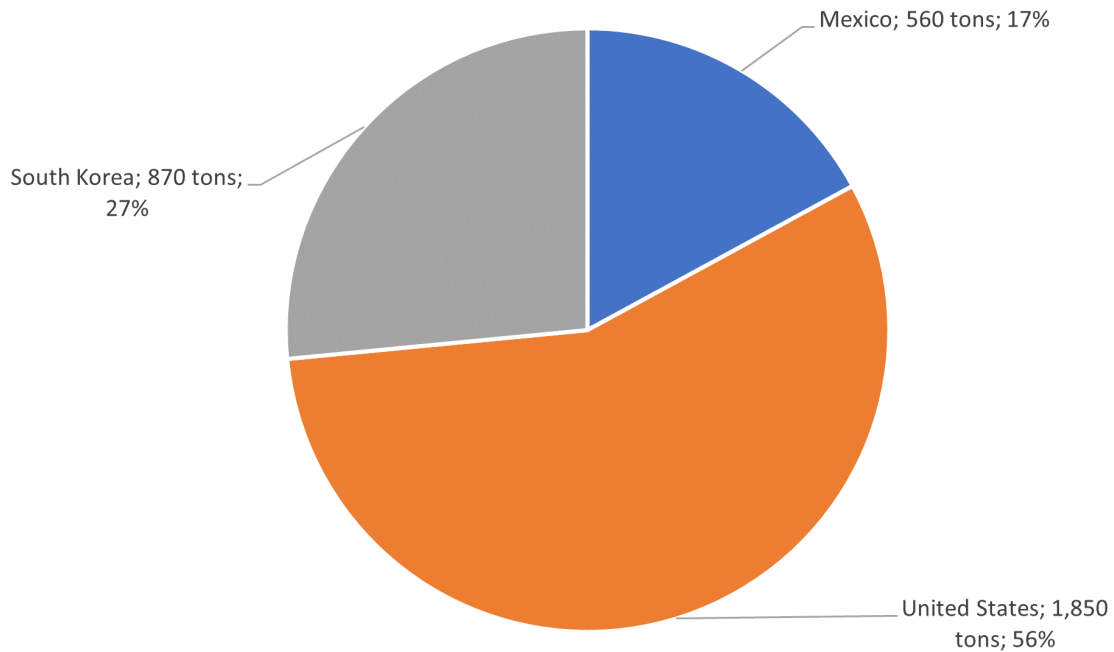
#### 3.2.5.2 Destinations of CRT Glass

CRT glass may come from accidental breakage of a CRT or from treatment of a CRT. CRT glass shipped to a destination out of state in 2021 was greater than the amount handled in California. This may be because some CRT glass originated from handlers that treated CRTs.

Figure 3.2-16 shows the countries that received CRT glass from California in 2021. Of the 3,270 tons of CRT glass shipped in 2021 about 1,850 tons (56%) went to destinations within the United States, about 870 tons (27%) was shipped to South



Korea,<sup>128</sup> and about 560 tons (17%) went to Mexico. Table 3.2-2 shows destinations of CRT glass in tons in 2021.



*Figure 3.2-16: Destinations of CRT Glass by Country, Tons, 2021*

Figure 3.2-17 shows the states that received CRT glass from California in 2021. Of the 1,850 tons of CRT glass shipped to destinations within the United States in 2021, 1,110 tons (60%) went to destinations in Nevada, 740 tons (40%) went to destinations in Missouri, and less than one ton went to destinations in Arizona. CRT glass was not shipped to destinations in California in 2021. Table 3.23 shows destinations of CRT glass in tons by state in 2021.

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<sup>128</sup> May be recorded in UWED data as the Republic of Korea or Democratic People's Republic of Korea.

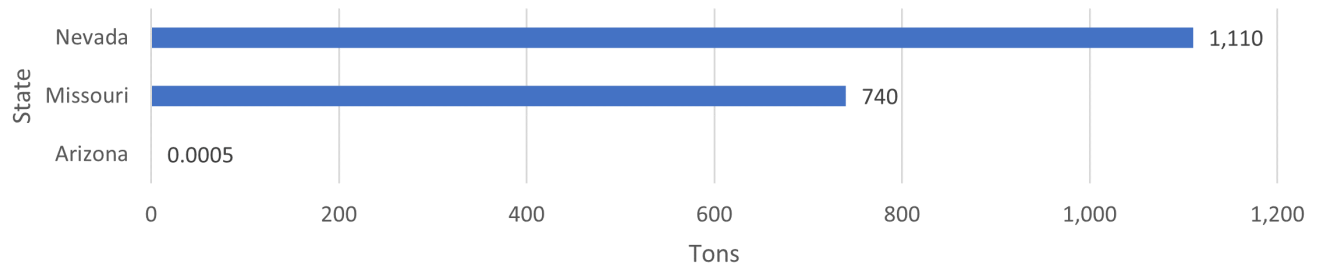


Figure 3.2-17: Destinations of CRT Glass by State, Tons, 2021

### 3.2.6 Unspecified Universal Waste

When an electronic device is treated, it may be broken down into components, or treatment residuals. These may include universal waste, such as batteries or electric lamps, that are recorded in annual reports as unspecified universal waste.

#### 3.2.6.1 Destinations of Unspecified Universal Waste

Figure 3.2-18 shows the states that received unspecified universal waste from California in 2021. Of the 930 tons of unspecified universal waste shipped in 2021, about 460 tons (49%) went to destinations within California, 150 tons (16%) went to destinations in Nevada, and 90 tons (10%) went to destinations in Ohio. Table 3.2-5 shows destinations of unspecified universal waste in tons by state in 2021.

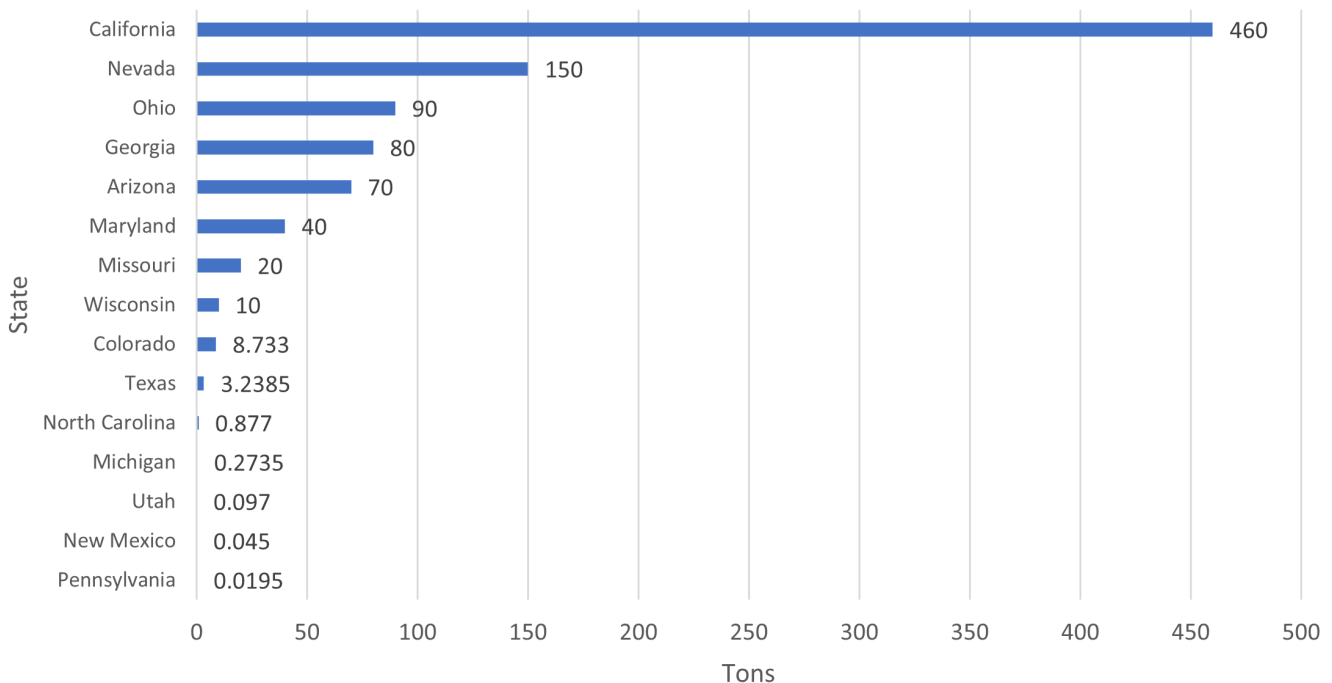


Figure 3.2-18: Destinations of Unspecified Universal Waste by State, Tons, 2021

Figure 3.2-19 shows the California counties that received unspecified universal waste in 2021. Of the 460 tons of unspecified universal waste shipped to destinations in California in 2021, San Bernardino County destinations received 280 tons (61%), Los Angeles County destinations received 130 tons (28%), and Orange County destinations received 50 tons (11%). Table 3.2-4 shows destinations of unspecified universal waste in tons by county in 2021.

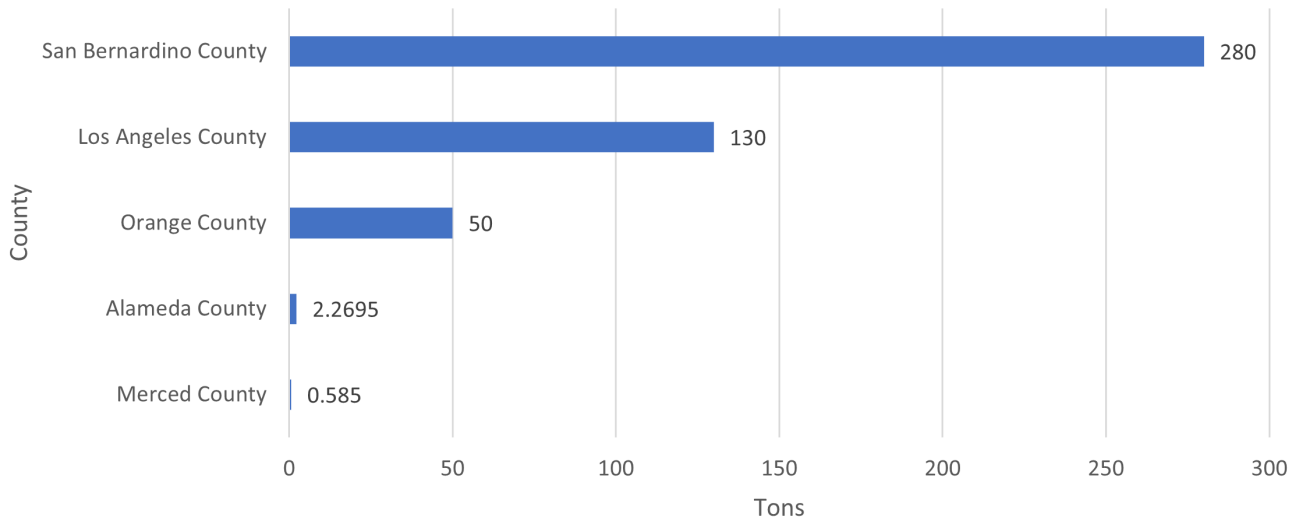


Figure 3.2-19: Destinations of Unspecified Universal Waste by County, Tons, 2021

## 3.2.7 Batteries

### 3.2.7.1 Treated Batteries

Universal waste handlers that handle batteries may conduct certain treatment activities as long as the casing of the battery cell is not breached and remains intact and closed. Authorized treatment activities include:<sup>129 130</sup>

- Sort by battery type
- Mix battery types in one container
- Discharge batteries to remove the electric charge
- Regenerate used batteries
- Disassemble batteries and battery packs into individual batteries or cells
- Remove batteries from consumer products
- Remove electrolyte from batteries

<sup>129</sup> Cells may be opened to remove electrolyte, but the cell must be closed immediately after removal of the electrolyte.

<sup>130</sup> Cal. Code Regs., tit. 22, § 66273.33(a)(2)

A universal waste handler that removes electrolyte from batteries must determine whether the removed electrolyte is a hazardous waste and, if so, must manage the electrolyte as a hazardous waste. Similarly, a universal waste handler that removes batteries from consumer products must determine whether the remaining waste exhibits a characteristic of hazardous waste and manage it accordingly. Regenerated batteries are not considered a waste.

DTSC conducts an annual rechargeable battery survey to estimate the amount of batteries returned to handling or recycling facilities, but the survey does not request information from these facilities on the treatment of batteries. DTSC staff interviewed an employee with a company that engages in the recovery of valuable metals from end-of-life batteries and catalytic converters. The employee stated that the company breaks down batteries and treats electrolyte from batteries on site.

### 3.2.7.2 Destinations of Batteries

The DTSC rechargeable battery survey does not request information on the destinations of batteries collected by handlers and/or recyclers. DTSC staff interviewed an employee with a company that engages in the recovery of valuable metals from end-of-life batteries and catalytic converters. The employee stated that collected batteries may be shipped to different locations depending on the nature of the battery or associated material. Specifically, the employee conveyed the following information regarding that company's practices: Lithium primary batteries, which are single use and not rechargeable and, therefore, not part of the DTSC rechargeable battery survey, are shipped primarily to a destination in British Columbia, Canada; rechargeable Li-ion and Ni-Cd batteries are shipped to a destination in Ohio; lead-acid batteries are either shipped to a destination in California or exported; scrap metal fractions from batteries go to ferrous and non-ferrous metal facilities.

## 3.2.8 Lamps

### 3.2.8.1 Treated Lamps

Universal waste handlers are authorized to remove lamps from products or structures.<sup>131</sup> Universal waste lamps must be managed in a manner that prevents breakage to avoid potential release of toxic components.

### 3.2.8.2 Destinations of Lamps

Information about the destinations of lamps managed as universal waste is not available for this Report.

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<sup>131</sup> Cal. Code Regs., tit. 22, § 66273.33(b)(3)

## 3.2.9 Mercury-Containing Equipment

### 3.2.9.1 Treated Mercury-Containing Equipment

The treatment of mercury-containing equipment varies depending on the equipment being treated. Handlers are permitted to conduct the following activities:<sup>132</sup>

- Drain elemental mercury from pressure or vacuum gauges at the site where the gauges were generated.
- Remove mercury-containing batteries and switches from novelties.
- Remove mercury switches from motor vehicles and other products.
- Remove ampoules from thermostats.

Removed batteries, switches, ampoules, and drained mercury are universal wastes and must be managed appropriately. Novelties that were universal wastes due to the presence of mercury-containing switches or batteries are no longer hazardous waste once the battery or switch is removed, as long as the novelty doesn't otherwise exhibit a hazardous waste characteristic.

### 3.2.9.2 Destinations of Mercury-Containing Equipment

DTSC staff interviewed an employee from an industry-funded nonprofit corporation that transports and disposes of mercury switch thermostats. According to the employee, the mercury collected through the nonprofit corporation is retorted, or purified, at a destination in Wisconsin. The retorted mercury is sent to a precious metals supplier or prepared for long-term storage.

## 3.2.10 Non-Empty Aerosol Cans

### 3.2.10.1 Treated Non-Empty Aerosol Cans

Universal waste handlers can treat non-empty aerosol cans by processing the cans to remove and collect the contents.<sup>133</sup> The empty can is no longer a universal waste or a hazardous waste.

### 3.2.10.2 Destinations of Non-Empty Aerosol Cans

Information about the destinations of non-empty aerosol cans managed as universal waste is not currently available for this Report.

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<sup>132</sup> Cal. Code Regs., tit. 22, § 66273.33(c)

<sup>133</sup> HSC § 25201.16(h)

## 3.2.11 Photovoltaic (PV) Modules

### 3.2.11.1 Treated Photovoltaic Modules

Authorized treatment of photovoltaic (PV) modules (i.e., solar panels) is like authorized treatment of electronic devices. Universal waste handlers are authorized to remove from PV systems<sup>134</sup> discrete assemblies such as batteries, inverters, cables, connectors, or diode boxes, and are authorized to disassemble PV modules without the use of chemicals or external heat<sup>135</sup> and to physically treat and separate components.<sup>136</sup>

Facilities can report handling and treatment of PV modules to DTSC by either weight or count. Some facilities report handling PV modules by weight but report shipping modules by count. There is not a conversion from count to weight, because PV modules are made from a variety of materials and in a variety of sizes.

Handlers are required to report how the location that will receive the PV modules intends to manage them. The term “recycling” in this context can include activities like continued use, repair, redeployment, or reclamation activities. Additional information on the specific activities occurring at each facility is not available.

Figure 3.2-20 shows the fates of PV modules in 2021 by count. Of the 1,330 PV modules managed by a destination in 2021, about 1,090 modules (81%) were recycled, and about 250 modules (19%) were refurbished.<sup>137</sup> Table 3.2-6 shows fates of PV modules by count in 2021.

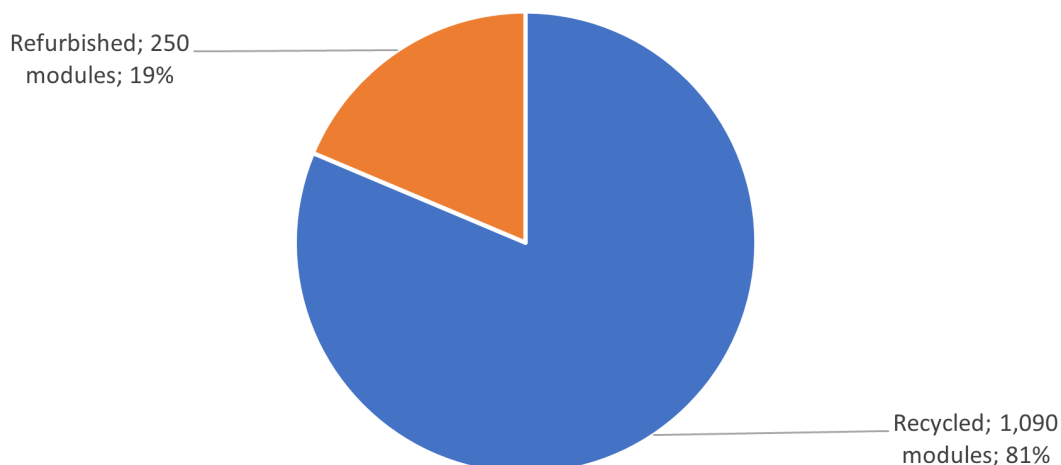
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<sup>134</sup> Cal. Code Regs., tit. 22, § 66273.71(c)

<sup>135</sup> Cal. Code Regs., tit. 22, § 66273.72(f)

<sup>136</sup> Cal. Code Regs., tit. 22, § 66273.73(d)

<sup>137</sup> “Recycled” is the term used by facilities that manage photovoltaic modules in annual reports for PV modules. The annual report does not require specific information and therefore specific management activities at these facilities was not available.



*Figure 3.2-20: PV Modules Fates by Count, 2021*

Figure 3.2-21 shows the fates of PV modules in 2021 by weight. Of the 660 tons of PV modules managed by a facility in 2021, about 540 tons (83%) were reported to be managed under the reuse/recover/recycle hierarchy.<sup>138</sup> The quantity of modules managed under each category in this hierarchy is not available. About 80 tons (12%) of PV modules were reported to be recycled<sup>139</sup> outside of the reuse/recover/recycle hierarchy, and about 30 tons (5%) were handled by a handler in California but not shipped to a destination. For quantities not shipped to a destination, there is no description of how they were managed. For quantities that were shipped to a destination, annual reports include a description of how the destination intended to manage the shipped modules. Table 3.2-5 shows fates of PV modules in tons in 2021.

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<sup>138</sup> The terminology “reuse/recover/recycle hierarchy” is used here because the annual reports for PV modules use this terminology.

<sup>139</sup> “Recycled” is the term used by facilities that manage photovoltaic modules in annual reports for PV modules. The annual report does not require specific information and therefore specific management activities at these facilities was not available.

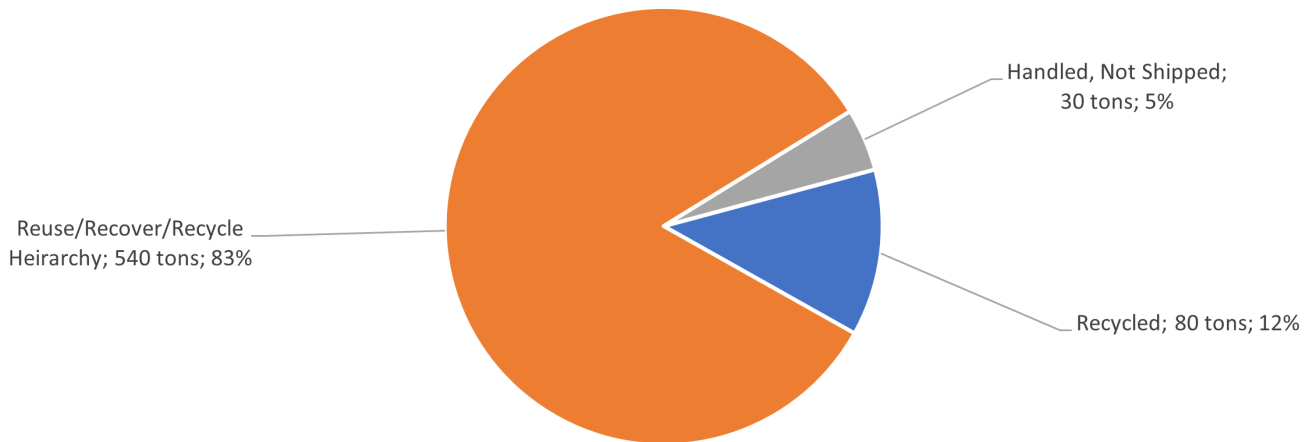


Figure 3.2-21: Fates of PV Modules in Tons, 2021

### 3.2.11.2 Destinations of Photovoltaic Modules

Figure 3.2-22 shows the states that received PV modules from California in 2021 by count. California handlers shipped about 1,330 PV modules to destinations in two states in 2021. About 1,000 modules (75%) went to destinations in Arizona, and about 340 (25%) were shipped to destinations in California. Table 3.2-3 shows count of destinations of PV modules by state in 2021.

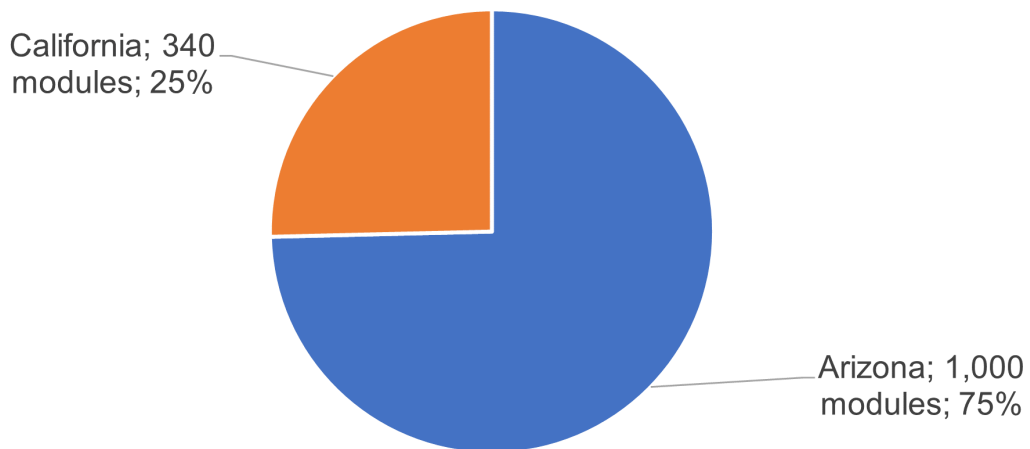
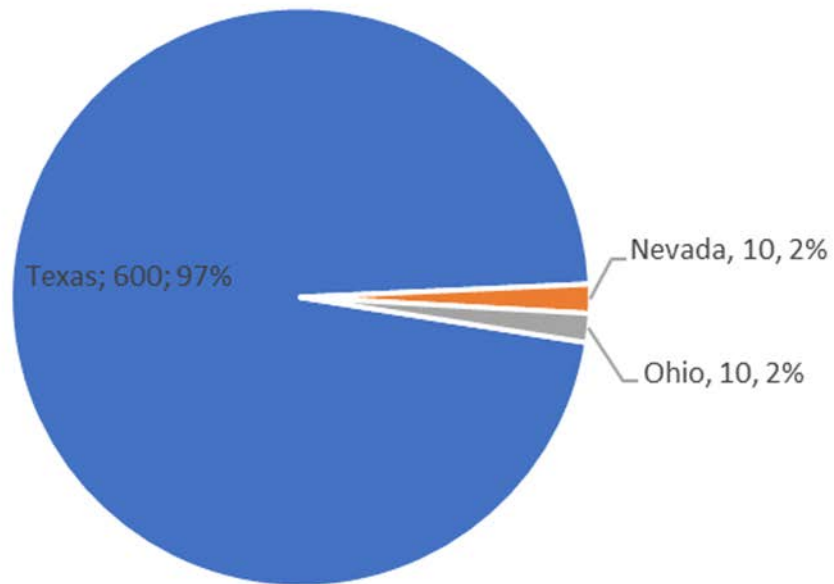


Figure 3.2-22: Count of PV Modules by Destination State, 2021

Figure 3.2-23 shows the states that received PV modules in 2021 by weight. Of the 630 tons of California PV modules shipped in the United States in 2021, about 600 tons (97%) were shipped to destinations in Texas, about 10 tons (2%) were shipped to

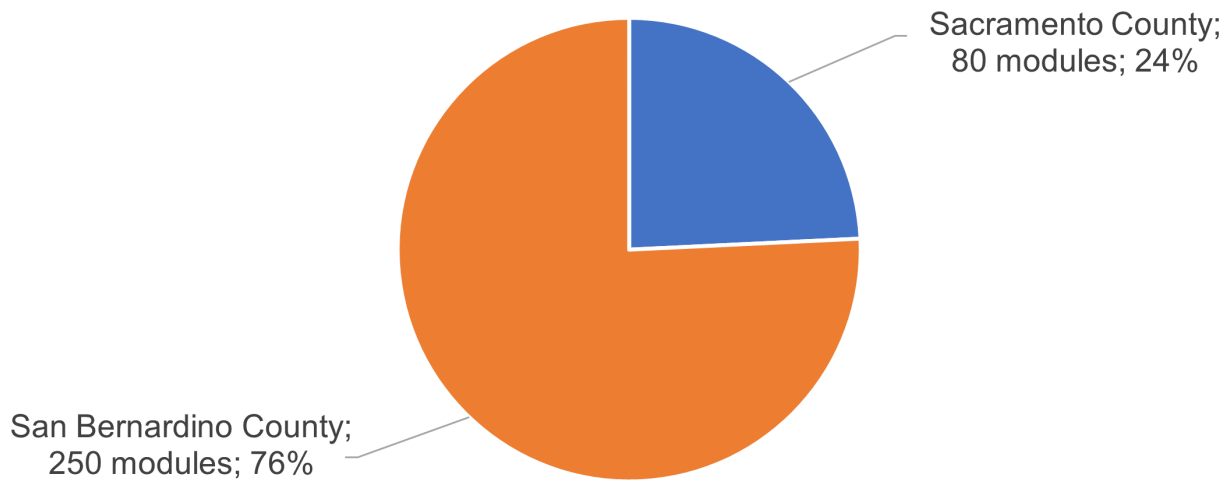


Nevada, and about 10 tons (2%) went to Ohio. About 30 tons were handled by a handler in California but not shipped to a destination. Table 3.23 shows destinations of PV modules in tons by state in 2021.



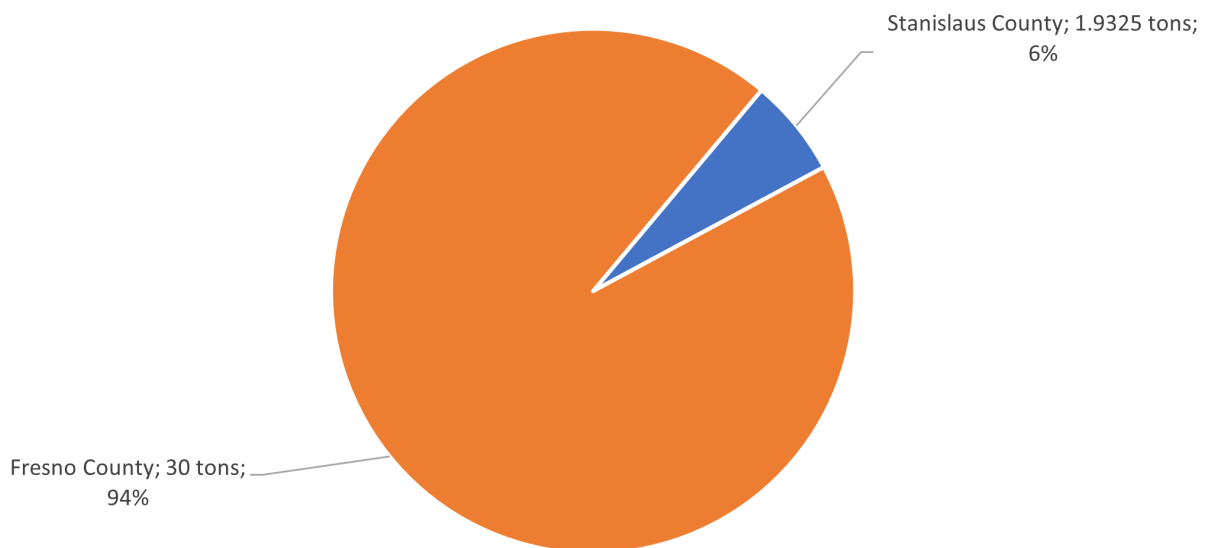
*Figure 3.2-23: Destinations of PV Modules by State, Tons, 2021*

Figure 3.2-24 shows the California counties that handlers shipped PV modules to in 2021 by count. California handlers shipped about 340 modules to destinations in two counties in 2021. About 250 modules (76%) went to San Bernardino County destinations, and about 80 tons (24%) were shipped to Sacramento County destinations. Table 3.2-4 shows the destination county of PV modules by count in 2021.



*Figure 3.2-24: County Destinations of PV Modules by Count, 2021*

Figure 3.2-25 shows the California counties where PV modules were handled in 2021 by weight. California handlers managed about 32 tons of PV modules in 2021. About 30 tons (94%) were handled by Fresno County handlers but not shipped to a destination, and nearly 2 tons of PV modules were handled by Stanislaus County handlers but not shipped to a destination. Table 3.24 shows destination counties of PV modules by tons in 2021.



*Figure 3.2-25: Destinations of PV Modules by Count, Tons, 2021*

### 3.3 Household Hazardous Waste

#### 3.3.1 Disposition of Household Hazardous Waste (HHW)

Certain hazardous wastes require specific methods of treatment and/or disposal. Treatment is any method, technique, or process that changes the physical, chemical, or biological character or composition of hazardous waste.<sup>140</sup> Disposal is discharge, deposit, injection or dumping into land or water.<sup>141</sup>

Figure 3.3-1 shows the disposition of California’s household hazardous waste (HHW) in 2020-2021. About 63,800 tons of HHW was treated, recycled, or disposed of in the 2020-2021 reporting period. About 36,630 tons (57%) of HHW was recycled, about 12,370 tons (19%) was managed by PaintCare stewardship programs, about 6,680 tons (11%) was destructively incinerated, and about 6,680 tons (11%) was destructively incinerated, and about 3,850 tons (6%) was incinerated for fuel use. Less than one ton of HHW was mercury that was managed through TRC stewardship programs (operated by Thermostat Recycling Corporation). Table 3.3-1 shows disposition of HHW in tons in 2020-2021.

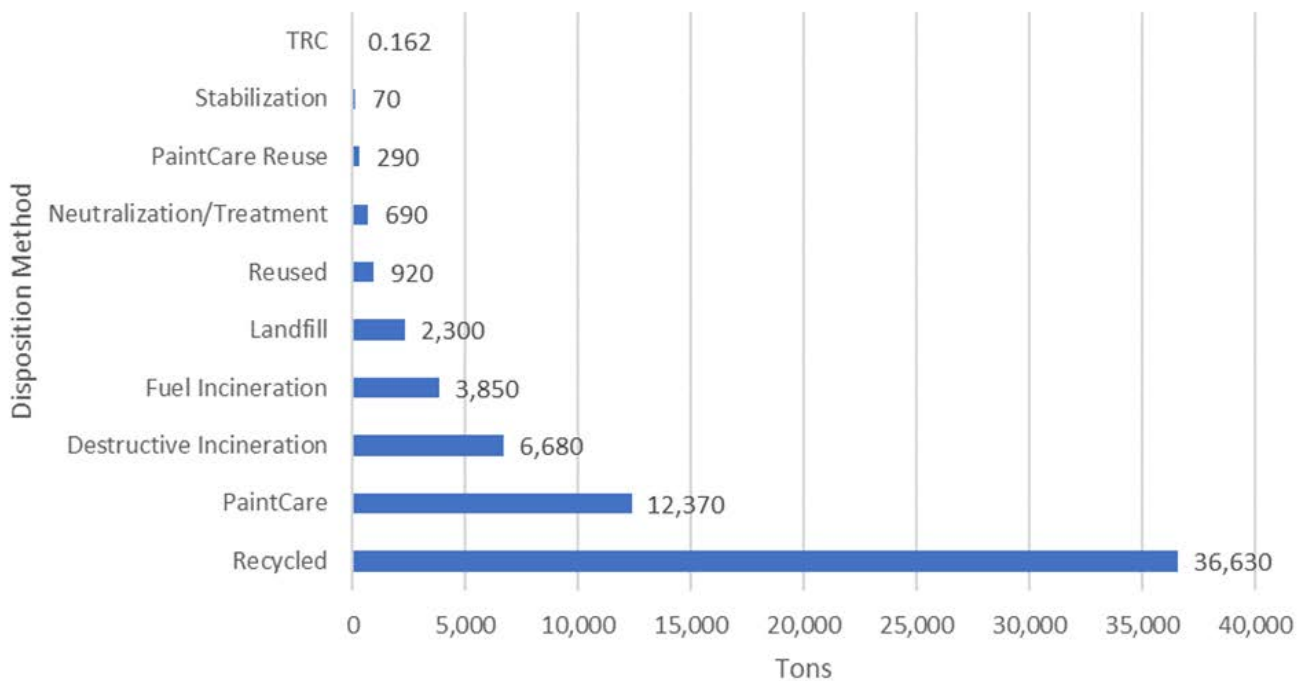


Figure 3.3-1: Disposition of HHW in 2020-2021, Tons

Figure 3.3-2 shows the counties where HHW was disposed of in the 2020-2021 reporting period. Of the 63,800 tons of HHW disposed of in the 2020-2021 reporting

<sup>140</sup> Cal. Code Regs., tit. 22, §66260.10

<sup>141</sup> Cal. Code Regs., tit. 22, §66260.10

period, about 14,840 tons (23%) was disposed of in Los Angeles County, about 5,820 tons (9%) in Orange County, and about 3,230 tons (5%) in Alameda County. Table 3.3-2 shows disposition of HHW in tons by county in 2020-2021.

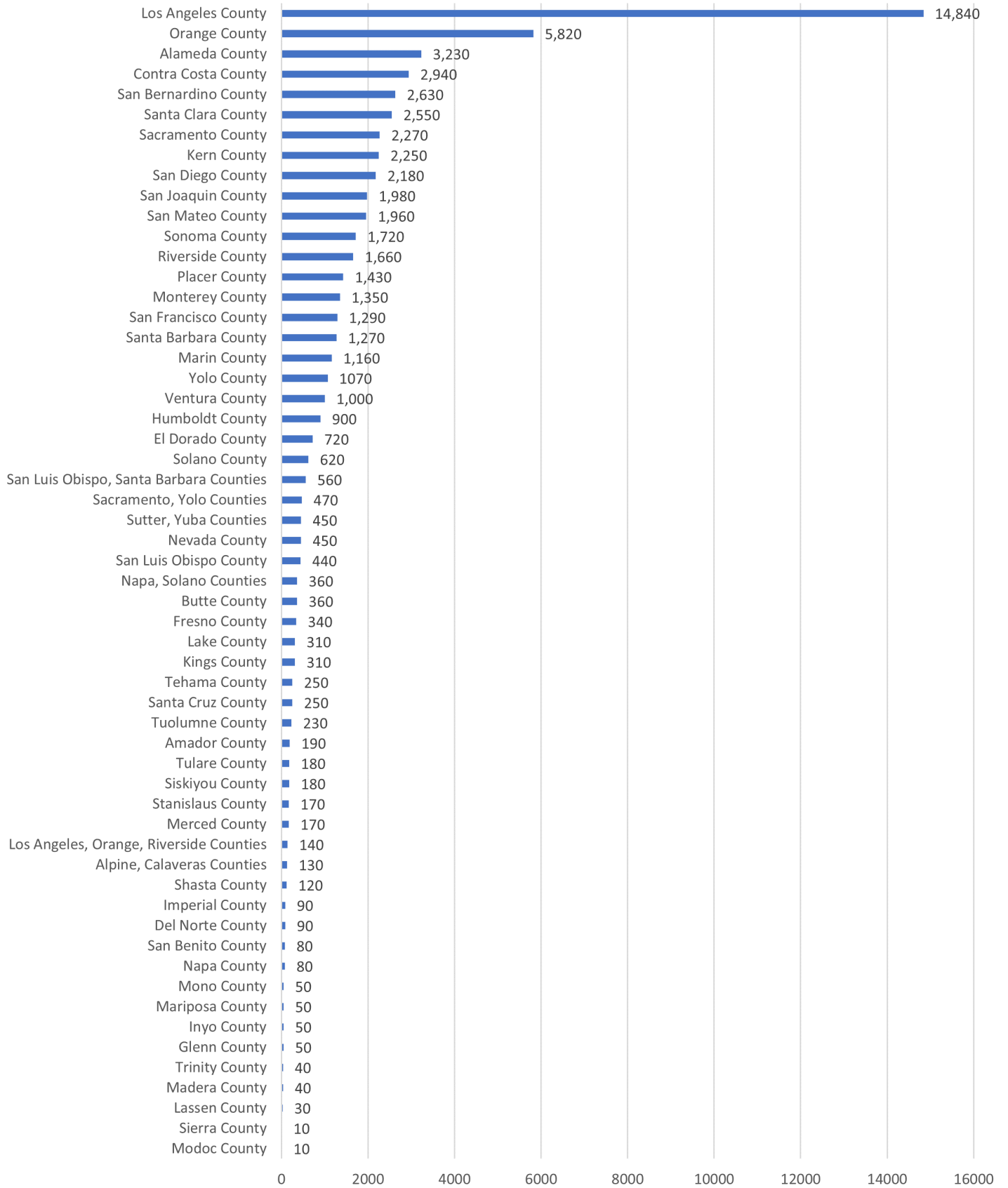


Figure 3.3-2: Disposition of HHW by County, Tons, 2020-2021

### 3.4 Treated Wood Waste

Non-RCRA hazardous treated wood waste is subject to alternative management standards. These include lessened storage requirements extended accumulation periods, shipments are allowed without a hazardous waste manifest or hazardous waste transporter and allow disposal at specific non-hazardous waste landfills. These standards promote the safe and economical disposal of treated wood waste.

This principle was illustrated in 2021, after these alternative management standards were briefly abolished due to the veto of Senate Bill 68. This lapse in standards created issues for generators, homeowners, landfills, and DTSC. Generators of treated wood waste needed to either arrange for Class I disposal or find alternatives, likely increasing costs for generators addition, DTSC granted variances during the lapse to allow generators of treated wood waste to dispose of it in certain landfills. Generators needed to apply for and pay for these variances, and issuance of these variances took weeks of processing time. DTSC also received calls from generators and homeowners asking where to take treated wood waste. The lapse in alternative management standards created concerns because landfills no longer accepted treated wood waste, and there were reports of illegal disposal of treated wood waste. Assembly Bill 332 restored the alternative management standards on August 31, 2021, allowing the disposal of treated wood waste to non-hazardous landfills. In the bill, the legislature stated its intent to “continue to evaluate the alternative management standards for treated wood waste, including the potential for longer term solutions that may replace the continuation of the alternative management standards and disposal of treated wood waste in solid waste landfills.”

Treated wood waste facilities and landfills that accept treated wood waste submit semiannual reports to DTSC using the Treated Wood Waste Tracking System. DTSC’s website includes lists of State Water Resources Control Board-approved treated wood waste landfills, transfer facilities that accept treated wood waste, and transporters that deliver treated wood waste to disposal facilities.<sup>142</sup>

Detailed information regarding the destination of all treated wood waste is not available for this Report. However, destination information for treated wood waste that is tracked with a manifest is found in HWTS using State Waste Code 614.

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<sup>142</sup> “DTSC Requirements for Generators of Treated Wood Waste (TWW) Fact Sheet.” *Dtsc.ca.gov*, State of California, Sept. 2021, [Website Link](#).

## 3.5 Used Oil Filters

### 3.5.1 Treated Used Oil Filters

Used oil filter regulations allow generators to pierce and crush drained used oil filters. This treatment does not require a hazardous waste treatment permit.<sup>143</sup>

An estimate of the quantity of used oil filters treated, recycled, or disposed of annually is not available. However, some of this information is captured through CalRecycle's Form 303 data under the "Reclaimables" category. Disposition data for recycled materials recorded through Form 303 data is in section 3.3.1, Disposition of Household Hazardous Waste.

## 3.6 Discussion

Approximately 21 million tons of manifested hazardous waste was generated in California from January 2010 to May 2022. Just over 17 million tons (81%) of that was non-RCRA hazardous waste, while about 3.8 million tons (19%) was RCRA hazardous waste. Just over half of the manifested hazardous waste generated since 2010, 11 million tons (53%), was managed within California, with the remainder shipped outside California for management.

Land disposal has been the most common method of managing hazardous waste generated in California since 2010, with approximately 12.5 million tons (59.2%) disposed of in a land disposal unit. The second most common method is "other recovery or reclamation for reuse," accounting for 5.09 million tons (24.2%) of waste. Incineration is the third most common method, with approximately 620,000 tons (2.31%) of hazardous waste managed since 2010. Access to incinerator capacity is a significant challenge for the current hazardous waste management system.

### 3.6.1 Access to Capacity

Access to appropriate disposal facilities that are carefully constructed and managed in a way that protects human health and the environment is one of the most crucial components of the hazardous waste management system. The lack of capacity can lead to improper or illegal disposal. Access to all types of hazardous waste management facilities is important, including the least-preferred management method, land disposal.

To be accessible, facilities must have enough capacity. Measuring the capacity of California's hazardous waste management facilities requires an estimate of the remaining volume of landfills and an estimate of the amount of waste that can safely pass through treatment or recycling facilities (throughput).

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<sup>143</sup> Cal. Code Regs., tit. 22, § 66266.130(d)

### 3.6.1.1 Land Disposal Capacity

As of 2019, the two hazardous waste landfills currently in operation in California had a combined remaining capacity of 9,741,100 tons.<sup>144</sup> At the current rate of disposal – with 48 percent of land-disposed hazardous waste being disposed of in state – these two landfills had about 20 years of permitted capacity remaining. If 100 percent of California’s land-disposed hazardous were disposed of in state, they would have 9.5 years of permitted capacity remaining.

This Report found that almost 88 percent (11 million tons) of California’s land-disposed hazardous waste manifested since 2010 has been non-RCRA waste. About 42 percent of this non-RCRA waste (4,640,000 tons) has been land disposed at non-hazardous Subtitle D landfills outside of California. This represents a significant quantity of hazardous waste that could potentially be disposed of in state if California had more capacity and/or if existing capacity were more accessible.

California’s limited landfill capacity can be affected by a number of factors, including, but not limited to:

- Physical considerations: Facilities may be non-operational for a period of time while undergoing maintenance, may not be equipped to adequately treat difficult waste types, or may not be designed to maximize the amount of waste they are allowed to manage annually.
- Choice: Facility operators are under no obligation to accept every waste presented to them.
- Economic considerations: At the same time that California has a limited supply and a high demand for hazardous waste landfill capacity, a much greater and accessible supply exists in other states that allow non-RCRA waste to be managed in non-hazardous waste landfills. This also lowers the cost of disposal out of state because non-hazardous waste landfills are less expensive to build and operate. Generators that send non-RCRA waste out of state realize a cost savings in disposal.

The HWPlan unit will conduct additional research to better understand access to hazardous waste management capacity in California. Research will be informed by waste generation information and consideration of specific waste streams.

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<sup>144</sup> U.S. EPA. National Capacity Assessment Report. December 2019.



### 3.6.1.2 Throughput Capacity

Another way to assess the capacity of hazardous waste management facilities is to measure throughput capacity – the amount of waste that can flow through a system over a certain time period. In this case, this measure applies to systems that conduct management activities like recycling and treatment of hazardous waste. Throughput is vital to appropriately managing current and future waste streams because it can be a significant limitation as exemplified by recent incinerator issues.

Throughput capacity has become especially important for recycling some growing waste streams in California like photovoltaics (PVs) and lithium-ion batteries. This is vital because these hazardous items can only be recycled if there is available technology to recycle these wastes as well as capacity. An adequate throughput capacity is essential to safe hazardous waste management and the ability for the state to support a more circular economy.

The HWPlan unit will conduct additional research in this area to better understand access to hazardous waste throughput capacity in California. Research will be informed by waste generation information and consideration of growing waste streams.

## 4. Analysis of Hazardous Waste Facilities and Surrounding Areas

Health and Safety Code § 25135(b)(2)(A) requires an analysis of hazardous waste facilities that operate in California, whether they operate under a DTSC permit or are authorized to manage hazardous waste without a permit.

The analysis for this section includes information from the 2021 operations of California's permitted hazardous waste facilities, universal waste handlers, universal waste recyclers, and universal waste destinations.

The number of facilities that handle universal waste is more likely to vary from year to year than permitted facilities, which hold permits that are effective for 10 years.<sup>146</sup>

### 4.1 Analysis of Hazardous Waste Facilities

Any person who treats, stores, or disposes of hazardous waste must obtain a permit or authorization from DTSC.<sup>147</sup> California has a five-tier permitting program:

- Full Permit tier
- Standardized Permit tier<sup>148</sup>
- Permit by Rule (PBR) tier<sup>149</sup>
- Conditional Authorization tier<sup>150</sup>
- Conditional Exemption tier,<sup>151</sup> which includes four subcategories:
  - Conditionally Exempt Small Quantity Treatment (CESQT)<sup>152</sup>
  - Conditionally Exempt Specified Wastestream (CESW)<sup>153</sup>
  - Conditionally Exempt – Limited (CEL)<sup>154</sup>
  - Conditionally Exempt Commercial Laundries (CECL)<sup>155</sup>

DTSC oversees facilities operating under Full Permits and Standardized Permits. The Full Permit tier includes all facilities that require a RCRA equivalent permit and facilities

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<sup>146</sup> A permit may be continued for longer than 10 years if a facility meets the regulatory requirements established in Cal. Code Regs., tit. 22, § 66270.51. The conditions of a continued permit are fully effective and enforceable until a new permit decision is issued.

<sup>147</sup> HSC § 25200

<sup>148</sup> HSC § 25201.6

<sup>149</sup> Cal. Code Regs., tit. 22, § 67450.1 through § 67450.13

<sup>150</sup> HSC § 25200.3

<sup>151</sup> HSC § 25201.5

<sup>152</sup> HSC § 25201.5(a)

<sup>153</sup> HSC § 25201.5(c)

<sup>154</sup> HSC § 25201.14

<sup>155</sup> HSC § 25144.6(c)

that conduct certain non-RCRA activities.<sup>156</sup> The Standardized Permit tier includes facilities that require a non-RCRA permit but not a RCRA permit.

The PBR tier, Conditional Authorization tier, and Conditional Exemption tier allow for on-site treatment of hazardous wastes that are classified as non-RCRA or RCRA-exempt and only if those wastes are generated on site and treated on site. Only hazardous wastes generated on site may be treated on site. Facilities that treat hazardous waste under these tiers are required to notify their local Certified Unified Program Agency (CUPA). CUPAs are local agencies certified by CalEPA to implement and enforce six state hazardous waste and hazardous materials regulatory management programs.<sup>157</sup>

The programs that the CUPAs implement are:

- Aboveground Petroleum Storage Act (APSA) Program
- California Accidental Release Prevention (CalARP) Program
- Hazardous Materials Business Plan (HMBP) Program including the Area Plan
- Hazardous Material Management Plan (HMMP) and Hazardous Material Inventory Statements (HMIS) (California Fire Code)
- Hazardous Waste Generator and Onsite Hazardous Waste Treatment (tiered permitting) Programs
- Underground Storage Tank Program

At the time of this analysis, there were 74 facilities<sup>158</sup> with either a full or standardized operating permit in California. Table 4.2-3 includes information about these 74 TSDFs. 47 of these facilities are labeled in Envirostor as having a RCRA permit, 24 having a Standardized permit, and three facilities having a state-only permit.<sup>159</sup>

Universal waste is managed differently than other hazardous wastes in California. Handlers of any amount of universal waste are required to obtain an EPA ID number from DTSC.<sup>160</sup> California issues federal EPA ID numbers to handlers that accumulate 5,000 kg or more of universal waste.<sup>161</sup> Some handlers may also be required to submit a notice of intent (NOI) with DTSC to collect certain types of hazardous waste, such as

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<sup>156</sup> "DTSC Fixed Treatment Unit Operating Under Conditional Authorization Fact Sheet." *Dtsc.ca.gov*, State of California, May 2005, [Website Link](#).

<sup>157</sup> "What Is a CUPA?" *What Is a CUPA?*, California CUPA Forum, [Website Link](#).

<sup>158</sup> One permitted hazardous waste facility closed during research; analysis was completed with 74 facilities.

<sup>159</sup> State-only permits are considered equivalent to full RCRA permits but are labeled differently in EnviroStor.

<sup>160</sup> "Hazardous Waste Identification (ID) Numbers." *Dtsc.ca.gov*, State of California, [Website Link](#).

<sup>161</sup> Cal. Code Regs., tit. 22, § 66273.32(a)

e-waste. Table 4.1-1 lists universal waste handlers, and Table 4.1-2 shows universal waste handlers that were also listed as destinations in 2021.

Generators that generate 100 kg or less of RCRA hazardous waste that is hazardous only due to silver do not need an EPA ID number<sup>162</sup> from DTSC.

## 4.2 Analysis of Destination Facilities

HSC § 25135(b)(2)(B) requires “an analysis of the location of each destination facility.” The term “destination facility” is used more broadly in HSC § 25135 than elsewhere in the Health and Safety Code and California Code of Regulations<sup>163</sup> to refer to any facility that receives a shipment of any hazardous waste generated in California, including out-of-state locations and transfer facilities.

This distinction is important because HSC § 25135 extends the evaluation to more facilities than just universal waste facilities. Further, because of the broad use of the term, the evaluation extends to more facilities than just TSDFs. Many out-of-state facilities that manage California’s non-RCRA hazardous waste are not permitted hazardous waste facilities because most states would not identify non-RCRA hazardous waste as hazardous waste in their state. Therefore, non-RCRA hazardous waste may be shipped to other states to be managed in non-hazardous waste facilities.<sup>164</sup>

This analysis did not include disposal facilities that received hazardous wastes that have alternative management standards or other management exemptions, such as treated wood waste. Information for these facilities was not available in time to be included in this report. However, future research can include these facilities.

DTSC used four primary data sources to obtain destination facility information: the Hazardous Waste Tracking System (HWTS), EnviroStor, Universal Waste Electronic Devices online system (UWED), and the DTSC photovoltaic (PV) module annual report for 2021. The UWED online system included some facilities that were permanently closed, some that did not have additional information available via online search engines, and some that either had a different business at the listed address or appeared to be listed under residential addresses or corporate offices. In addition, some businesses had errors in business names or addresses. DTSC attempted to fix errors, but some errors may persist.

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<sup>162</sup> “Hazardous Waste Identification (ID) Numbers.” *Dtsc.ca.gov*, State of California, [Website Link](#).

<sup>163</sup> HSC § 25201.16, Cal. Code Regs., tit.22, § 66260.10, and Cal. Code Regs., tit.22, § 66273.9

<sup>164</sup> Subtitle D landfills focus on management of non-hazardous solid waste such as household garbage and non-hazardous industrial solid waste.

To analyze the areas surrounding destination facilities and TSDFs, DTSC examined zoning, CalEnviroScreen scores, CalEnviroScreen percentiles, EJScreen scores, and geographic analyses. This report summarizes this information in tables as described in the sections below.

#### 4.2.1 Zoning

California Government Code, Title 7, § 65300.9 requires city and county planning agencies to prepare a “comprehensive, long-term general plan for the physical development of the county or city”<sup>165</sup> and requires zoning and associated ordinances to be consistent with the general plan.<sup>166</sup> Each general plan must include the following elements:<sup>167</sup>

- Land use
- Circulation
- Housing
- Conservation
- Open space
- Noise considerations
- Safety
- Environmental justice

##### 4.2.1.1 Data Sources and Limitations of Zoning

To gather zoning information, DTSC accessed the map or diagram of a city or county’s zones as determined by the general plan. Many zoning maps are interactive, allowing the user to type in an address and retrieve information about that address, including zoning. Other maps are available as PDF documents that can be aligned with mapping software to find correct address and zoning information. DTSC project managers provided zoning information for some permitted facilities.

Zoning is not permanent and may change over time to meet the needs of the general plan. Since zoning and its associated ordinances are decided at the county or city level, it is important to note that zoning definitions may vary between general plans.

Some data sources, such as UWED, had errors in addresses. DTSC attempted to fix these errors, but some errors may persist.

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<sup>165</sup> Cal. Gov. Code, tit. 7, § 65300.9

<sup>166</sup> Cal. Gov. Code, tit. 7, § 65860

<sup>167</sup> Cal. Gov. Code, tit. 7, § 65302

Some areas may have limited zoning information. Some military bases for example had no zoning information.

Zoning information for facilities is presented in table format, separated by facility type. Table 4.2-1 shows the zoning designation for each California universal waste destination and for the top 31 out-of-state universal waste destinations. Table 4.2-2 shows the zoning designation for each universal waste recycler. Table 4.2-3 shows the zoning designation for each permitted facility. Table 4.2-4 shows the zoning designation for the 31 out-of-state facilities that received the most manifested waste.

#### 4.2.2 CalEnviroScreen Score

CalEnviroScreen is an environmental justice (EJ) mapping tool developed by the California Office of Environmental Health Hazard Assessment (OEHHA) “to help identify California communities that are disproportionately burdened by multiple sources of pollution.” This report uses the most recent version of the tool, [CalEnviroScreen 4.0](#).

CalEnviroScreen creates a score for each census tract in California based on available environmental, health, and socioeconomic information. Communities most burdened by pollution and other environmental hazards have the highest scores.<sup>168</sup>

A CalEnviroScreen score represents the percentile ranking among all of the state’s 8,000 census tracts. For example, a tract with a percentile of 85 has a higher CalEnviroScreen score than 85 percent of all census tracts in the state. However, CalEnviroScreen scores are not available for some census tracts that have unreliable data due to low population or other reasons.

Figure 4.2-1 shows a map of California with the CalEnviroScreen percentile scores for each census tract. Scores are presented in a range of green to red – green indicating census tracts with lower scores and red indicating those with higher scores. Gray census tracts are those that do not have a score because of high pollution paired with low population. In general, census tracts in the Central Valley and in much of inland Southern California tend to have higher CalEnviroScreen scores than coastal and mountainous census tracts.

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<sup>168</sup> August, Laura, et al. Edited by Vince Cogliano et al., Office of Environmental Health Hazard Assessment, 2021, *CalEnviroScreen 4.0*, [Website Link](#). Accessed 6 Sept. 2022.

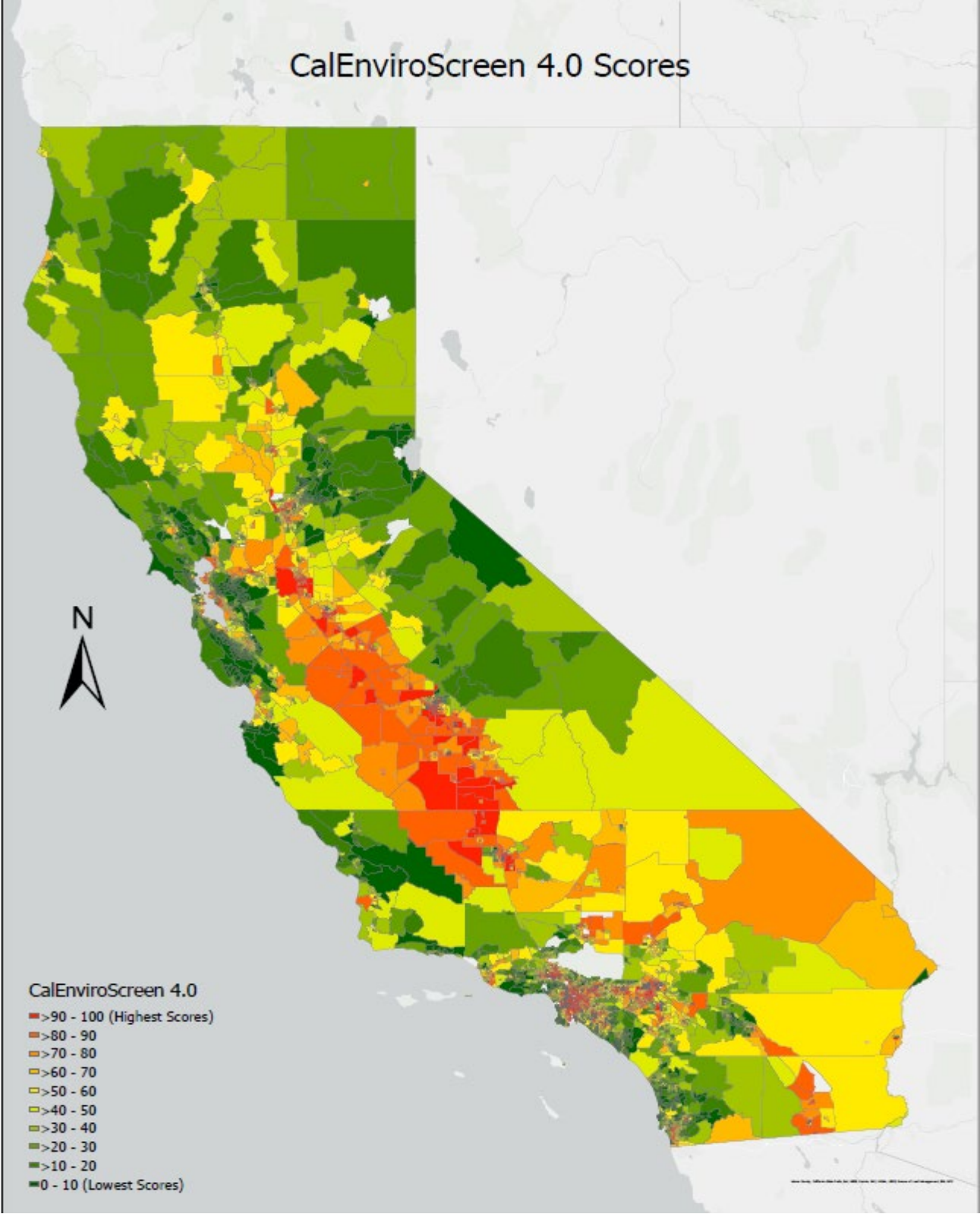


Figure 4.2-1: A Map of California with CalEnviroScreen 4.0 Scores

#### 4.2.2.1 CalEnviroScreen Analysis

CalEnviroScreen scores and percentiles only apply to California facilities. DTSC used CalEnviroScreen 4.0 for this assessment.

While 141 facilities received universal waste in California in 2021, this assessment includes 137 of these facilities. Four facilities were omitted because they were located in census tracts with unreliable or unavailable CalEnviroScreen data. Of the 137 facilities in this assessment, 67 (49%) were at or above the CalEnviroScreen 75<sup>th</sup> percentile.

While 56 facilities identified themselves as recyclers in UWED in 2021, this assessment included 52 of these facilities. Four facilities were omitted because they were located in census tracts with unreliable or unavailable CalEnviroScreen data. Of the 52 assessed facilities, 24 (46%) were in census tracts at or above the CalEnviroScreen 75<sup>th</sup> percentile.

While there were 74 permitted facilities in California in 2022, this assessment included 64 of these facilities. Ten facilities were omitted because they were located in census tracts with unreliable or unavailable CalEnviroScreen data. Of the 64 facilities assessed, 30 (47%) were in census tracts at or above the CalEnviroScreen 75<sup>th</sup> percentile.

The CalEnviroScreen scores and percentiles for each California facility are available in table format. Table 4.2-1 shows the CalEnviroScreen score and percentile for each universal waste destination. Table 4.2-2 shows the CalEnviroScreen score and percentile for each universal waste recycler. Table 4.2-3 shows the CalEnviroScreen score and percentile for each permitted facility. Because CalEnviroScreen scores are only available for California facilities, out-of-state facilities do not have CalEnviroScreen data.

#### 4.2.3 EJScreen Score

U.S. EPA's EJScreen is an environmental justice mapping and screening tool that evaluates geographic areas throughout the United States.

EJScreen includes 12 indexes that combine environmental and socioeconomic information. For the purposes of this report, DTSC used the "Hazardous Waste Proximity" index and the "Compare to US" option. The score included in tables is the "EJ Index Hazardous Waste" percentile.

Table 4.2-1 shows the EJScreen score for each universal waste destination in the United States. Table 4.2-2 shows the EJScreen score for each universal waste recycler from UWED. Table 4.2-3 shows the EJScreen score for each permitted facility in



California. Table 4.2-4 shows the EJScreen score for the 31 out-of-state facilities that received the most manifested hazardous waste from California.

#### 4.2.3.1 EJScreen Score Limitations

While the EJScreen tool is useful for comparing destinations across the United States, it is important to note that it has some limitations. U.S. EPA's EJScreen technical documentation discusses two main limitations: 1) EJScreen is not a detailed risk analysis, and 2) there is uncertainty in the data used.

EJScreen does not capture every relevant issue involved in environmental justice, and nationwide databases may not exist for all these issues. EJScreen's demographic estimates come from survey data rather than more reliable census data, and its environmental indicators are only screening-level representations of actual health risks or exposures.

Because of the limitations involved in EJScreen, U.S. EPA recommends using its data in conjunction with local information, if applicable, and advises against solely using screening data for key decisions.<sup>169</sup>

#### 4.2.3.2 EJScreen Analysis

Data in EJScreen is presented as a percentile, which is a relative term, as opposed to a percentage, which is an absolute term. A national percentile represents what percent of U.S. census tracts have an equal or lower value. If a census tract is at the 87<sup>th</sup> percentile, 87 percent of U.S. census tracts have a value equal to or lower than that tract.

As mentioned previously, DTSC completed this assessment using EJScreen's "Hazardous Waste Proximity" index. This index is a count of TSDFs and large quantity generators (LQGs). EJScreen retrieved the TSDF data for this index in April 2022 from the EPA RCRAInfo database, but it is not immediately clear where EJScreen obtained its LQG data or when.<sup>170</sup>

While 141 destination facilities received universal waste in California in 2021, 140 were used in this assessment. One facility was omitted because its physical address could not be located. Of these 140 facilities, 115 (82%) were in census tracts with EJScreen scores at or above the 75<sup>th</sup> percentile.

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<sup>169</sup> U.S. Environmental Protection Agency (EPA), 2019. EJSCREEN Technical Documentation.

<sup>170</sup> "Overview of Environmental Indicators in EJScreen." EPA, Environmental Protection Agency, 11 Oct. 2022, [Website Link](#).

In 2021, 100 out-of-state destination facilities received universal waste from California. Thirty-five of these facilities (35%) were in census tracts with EJScreen scores at or above the 75<sup>th</sup> percentile.

There were 56 facilities that identified themselves as recyclers in UWED in 2021. Of the 56 facilities in this assessment, 43 (77%) were in census tracts with EJScreen scores at or above the 75<sup>th</sup> percentile.

There were 74 permitted facilities in California used in this assessment. Of these, 49 (66%) were in census tracts with EJScreen scores at or above the 75<sup>th</sup> percentile.

More than 95 percent of the manifested waste was shipped out-of-state in 2021 was managed at 31 facilities. Of these 31 out-of-state facilities, four (13%) were in census tracts with EJScreen scores at or above the 75<sup>th</sup> percentile.

#### 4.2.4 Geographic Analysis

HSC § 25135(b)(2)(B) states, “For destination facilities located in the state, this analysis shall include zoning and other geographic information.” The specific categories of geographic information required in the statute are not specified. Therefore, DTSC analyzed two areas of interest relating to geographic analysis for this initial report:

- Identification of facilities within one mile of a sensitive receptor, as defined by the U.S. EPA.
- Identification of facilities within the boundary of areas designated as SB 535 disadvantaged communities (DAC) in accordance with Senate Bill (SB) 535.

The U.S. EPA definition of sensitive receptors includes, but is not limited to: hospitals, schools, day care facilities, elderly housing, and convalescent facilities. These are areas where the occupants may be more susceptible to the potentially adverse effects of exposure to toxic chemicals, pesticides, and other pollutants.<sup>171</sup>

SB 535 required CalEPA to identify disadvantaged communities. CalEPA identifies four types of geographic areas as disadvantaged:

- Census tracts receiving the highest 25 percent of overall scores in CalEnviroScreen 4.0.
- Census tracts lacking overall scores in CalEnviroScreen 4.0 due to data gaps, but receiving the highest 5 percent of CalEnviroScreen 4.0 cumulative pollution burden scores.

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<sup>171</sup> “What Are Sensitive Receptors?” U.S. EPA, United States Environmental Protection Agency, 29 Mar. 2022, [Website Link](#).

- Census tracts identified in the 2017 DAC designation as disadvantaged, regardless of their scores in CalEnviroScreen 4.0.
- Lands under the control of federally recognized Tribes.

#### 4.2.4.1 Data Sources and Limitations of Geographic Analysis

DTSC completed geographic analysis by examining a one mile radius around each destination facility. The facility address was entered into a geographic information system (GIS) map application, ArcGIS, which included layers showing SB 535 disadvantaged communities and sensitive receptors. DTSC chose a one mile radius to establish a baseline for this analysis.<sup>172</sup> Because the ArcGIS software measures the one mile radius from the approximate center of an address and not from the edge of the facility, this methodology may not show all sensitive receptors within one mile of a facility's edge.

If a destination facility was in an SB 535 disadvantaged community, it is marked with a "Y" for "Yes" in Tables 4.2-1, 4.2-2, 4.2-3, and 4.2-4. A destination facility is also marked with a "Y" in these tables if there was a sensitive receptor within one mile of it. DTSC divided the number of "Yes" entries by the total number of facilities and multiplied by 100 to get the percent of facilities that fit a particular category.

The layers used in the ArcGIS application include:

- Private Schools by HostedByHIFLD
- Public School Locations – Current by National Center for Education Statistics
- Hospitals in California by crcdata@ou.ad3.ucdavis.edu\_ucdavis
- Nursing Homes by HostedByHIFLD
- SB 535 Disadvantaged Communities 2022 by oehha\_arcgis
- Child Care Centers by HostedByHIFLD

ArcGIS may be limited by the layers and data available. For example, if a layer for hospitals is available but has not been updated recently, the information presented on the layer may be outdated. Alternatively, a layer may not exist and would need to be created, which requires time, effort, and funding. Information used in analysis should only come from trustworthy sources. A lack of information from such sources may limit what can be analyzed. Occasionally, hospitals and schools on military bases did not appear in the hospital and school layers. In this case, satellite imagery was helpful in

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<sup>172</sup> Prior work conducted for the SB 673 project was considered for use in part of this analysis. The work performed for SB 673 was only related to permitted facilities so it would have been incomplete since this exercise was to review all types of hazardous waste destination facilities. Further, it was unclear how recent the data for sensitive receptors was or if it would accurately capture any impacts caused by closures of sensitive receptors due to COVID. Lastly, it was unclear if the methodology could be recreated within this reporting period for all other hazardous waste destination facilities.

determining whether a destination facility on a military base was within a one mile radius of a sensitive receptor.

Additional limitations in geographic analysis result from incorrectly entered addresses. If an address is not correct in a data set, such as numbers being in an incorrect order, the analysis may reflect an incorrect location. A similar limitation exists if a corporate office is listed in a database as the destination instead of the actual facility that received hazardous waste, including universal waste. While we have made efforts to correct these errors from their respective sources, some errors may persist.

Some addresses were not correctly mapped in the ArcGIS application even though the address was correct. In these cases, the ArcGIS application was used in conjunction with satellite imagery to double-check whether the address was correctly mapped in ArcGIS.

DTSC did not perform geographic analysis for destinations outside the United States. For future reports, it is recommended to determine the feasibility of evaluating destinations outside the U.S. in a manner that is similar to the analysis performed for U.S. facilities. Some limitations to consider include language barriers, differences in zoning, and the availability of assessment tools. In 2021, 19 universal waste destinations were located outside of the United States.

#### 4.2.4.2 Results of Geographic Analysis

##### 4.2.4.2.1 Sensitive Receptors

241 destination facilities in the U.S. received universal waste from California in 2021, 141 of which were in California. One of those California facilities was omitted from this assessment because its physical address could not be located. Ninety percent of the 240 facilities assessed (217) were within one mile of a sensitive receptor. Of the 140 California facilities assessed, 94 percent (132 facilities) were within one mile of a sensitive receptor. Of the 100 out-of-state facilities assessed, 85 percent (85 facilities) were within one mile of a sensitive receptor.

All of the 56 recyclers that reported treating California's universal waste in UWED in 2021 were in California, and 47 of those facilities (84%) were within one mile of a sensitive receptor.

Of the 74 California permitted facilities operating in 2021, 73 percent (54 facilities) were within one mile of a sensitive receptor. Of the 47 facilities with a RCRA permit, 32 facilities (68%) were within one mile of a sensitive receptor. Of the 24 facilities with a standardized permit, 20 facilities (83%) were within one mile of a sensitive receptor. Of

the three facilities with a state-only permit, two (66%) were within one mile of sensitive receptor.

More than 95 percent of the manifested waste that was shipped out of California in 2021 went to 31 facilities. Eight of these 31 out-of-state facilities (26%) were within one mile of a sensitive receptor.

DTSC presents this sensitive receptor information for these destination facilities in table format. As previously mentioned, the U.S. EPA definition of sensitive receptors includes, but is not limited to: hospitals, schools, day care facilities, elderly housing, and convalescent facilities. Table 4.2-1 shows sensitive receptor information for each California universal waste destination. Table 4.2-2 shows the information for each universal waste recycler. Table 4.2-3 shows the information for each permitted facility. Table 4.2-4 shows the sensitive receptor information for the 31 out-of-state facilities that received the majority of manifested waste from California.

#### 4.2.4.2.2 Disadvantaged Communities

Pursuant to SB 535, CalEPA identifies four types of geographic areas as SB 535 disadvantaged communities:

- Census tracts receiving the highest 25 percent of overall scores in CalEnviroScreen 4.0.
- Census tracts lacking overall scores in CalEnviroScreen 4.0 due to data gaps, but receiving the highest 5 percent of CalEnviroScreen 4.0 cumulative pollution burden scores.
- Census tracts identified in the 2017 DAC designation as disadvantaged, regardless of their scores in CalEnviroScreen 4.0.
- Lands under the control of federally recognized Tribes.

SB 535 and its definitions only apply to California facilities and not to facilities in other states.

While there were 141 destination facilities that received universal waste in California, 140 were used in this assessment. One facility was omitted because its physical address could not be located. Of the 140 facilities used in this assessment, 83 facilities (59%) were within SB 535 disadvantaged communities.

Of recyclers that reported treating universal waste in UWED, 31 facilities out of a total of 56 (55%) were within an SB 535 disadvantaged community.

Of permitted facilities in California, 43 facilities out of a total of 74 (58%) were within disadvantaged communities. Of the 47 facilities with a RCRA permit, 29 (61%) were within disadvantaged communities. Of the 24 facilities with a standardized permit, 11 (46%) were within disadvantaged communities. The three facilities with state-only permits were within disadvantaged communities.

SB 535 information for each facility is available in table format. Table 4.2-1 includes the SB 535 information for each universal waste destination. Table 4.2-2 includes the SB 535 information for each universal waste recycler. Table 4.2-3 includes the SB 535 information for each permitted facility.

### 4.3 Summary

Information in this section included an analysis of hazardous waste facilities that operate in California and a description of each destination facility. The analysis for this section included information from the 2021 operations of California's permitted hazardous waste facilities, universal waste handlers, universal waste recyclers, and universal waste destinations.

The term "destination facility" in HSC § 25135 is used more broadly to refer to any facility that received a shipment of hazardous waste generated in California, including out-of-state locations and transfer facilities. Information was not available in time for this analysis regarding disposal facilities that received hazardous wastes with alternative management standards or other management exemptions, such as treated wood waste. However, future research will include these facilities.

Zoning is determined at the local level of government. State codes mainly provide a framework for cities and counties to follow when planning and determining zones and ordinances. City and county planning agencies are responsible for preparing a long-term general plan and determining zoning and ordinances to meet that plan. Zoning is not permanent and can be changed to meet the needs of a city's or county's general plan.

The assessment of the areas surrounding destination facilities included the use of ArcGIS and satellite imagery and was based on a radius of one mile from the destination facility. The one-mile radius was chosen in order to determine what level of information could be gathered with the use of ArcGIS and satellite imagery. Other tools used for the assessment of surrounding areas included OEHHA's CalEnviroScreen 4.0 and U.S. EPA's EJScreen tool.

The following information provides a summary of the assessment:

CalEnviroScreen 4.0:

- Of the 137 universal waste destination facilities used in the assessment, 67 facilities (49%) were in census tracts at or above the CalEnviroScreen 75<sup>th</sup> percentile.
- Of the 52 universal waste recyclers assessed, 24 facilities (46%) were in census tracts at or above the CalEnviroScreen 75<sup>th</sup> percentile.
- Of the 64 permitted facilities assessed, 30 facilities (47%) were in census tracts at or above the CalEnviroScreen 75<sup>th</sup> percentile.

#### EJScreen:

- Of the 140 universal waste destination facilities in California used in this assessment, 115 facilities (82%) were in census tracts at or above the 75<sup>th</sup> percentile.
- Of the 100 out-of-state universal waste destination facilities used in this assessment, 35 facilities (35%) were in census tracts at or above the 75<sup>th</sup> percentile.
- Of the 240 universal waste destination facilities in the United States used in this assessment, 150 facilities (63%) were in census tracts at or above the 75<sup>th</sup> percentile.
- Of the 56 universal waste recyclers used in this assessment, 43 facilities (77%) were in census tracts at or above the 75<sup>th</sup> percentile.
- Of the 74 permitted facilities, 49 facilities (66%) were in census tracts at or above the 75<sup>th</sup> percentile.
- Of the 31 out-of-state facilities that received more than 95 percent of manifested waste that was shipped out of state, four facilities (13%) were in census tracts at or above the 75<sup>th</sup> percentile.

#### Sensitive Receptors:

- Of the 140 universal waste destinations used in this assessment, 132 facilities (94%) were within one mile of a sensitive receptor.
- Of the 100 out-of-state universal waste destinations, 85 facilities (85%) were within one mile of a sensitive receptor.
- Of the 240 destinations that received universal waste within the United States used in this assessment, 217 (90%) were within one mile of a sensitive receptor.
- Of the 56 universal waste recyclers, 47 facilities (84%) were within one mile of a sensitive receptor.
- Of the 74 permitted facilities, 54 (73%) were within one mile of a sensitive receptor.
  - Of the 47 facilities that have a RCRA permit, 32 facilities (70%) were within one mile of a sensitive receptor.

- Of the 24 facilities that have a standardized permit, 20 facilities (83%) were within one mile of a sensitive receptor.
- Of the three facilities that have a state-only permit, 2 facilities (67%) were within one mile of sensitive receptor.
- Of the 31 out-of-state facilities that received more than 95 percent of manifested waste shipped out of state, eight facilities (26%) were within one mile of a sensitive receptor.

#### Disadvantaged Communities:

- Of the 140 universal waste destination facilities used in this assessment, 83 facilities (59%) were within SB 535 disadvantaged communities.
- Of the 56 recyclers that reported treatment of universal waste in UWED, 31 recyclers (55%) were within an SB 535 disadvantaged community.
- Of the 74 permitted facilities in California, 41 facilities (55%) were within SB 535 disadvantaged communities.
  - Of the 47 facilities with a RCRA permit, 27 (59%) were within SB 535 disadvantaged communities.
  - Of the 24 facilities with a standardized permit, 11 (46%) were within SB 535 disadvantaged communities.
  - The three facilities with state-only permits were all within SB 535 disadvantaged communities.

#### Out-of-Country Destinations

- 19 universal waste destinations were outside the United States.

## 4.4 Discussion

The analysis included in this report focuses on geographic areas near destination facilities but not near hazardous waste generators. However, DTSC recommends that future reports include a similar analysis for generators. As both generators and destination facilities manage hazardous waste, focusing on geographic analysis for only one of these excludes a crucial part of understanding the potential impacts of hazardous waste management.

Generators may have more of an impact to a community's lived experience than hazardous waste management facilities because there are so many and because of the variety and type of hazardous waste generation activities. Certain types of generators, such as metal finishing facilities use cyanides in their processes and many generators use solvents for cleaning purposes. In 2021, there were 74 facilities with an operating hazardous waste facility permit in California while there were almost 95,000 hazardous waste generators in California. DTSC inspects the hazardous waste transporters, universal waste destination facilities, TSDFs, and a very small amount of generators,



while CUPAs inspect the majority of the generators. Additionally, the CUPAs ensure that businesses adequately implement the five other programs noted above. CUPAs typically inspect facilities every three years. This time frame may vary and an average CUPA inspector may have more than 300 facilities to inspect. DTSC oversees the implementation of the generator and onsite treatment program performed by the CUPAs.

An analysis of the type and number of violations that are being observed at generator locations is one that requires further research. Some common hazardous waste violations include: failure to make a hazardous waste determination, failure to label containers correctly, failure to keep copies of the manifest, failure to minimize a release of hazardous wastes or constituent into the environment storing wastes onsite longer than the required time frame, and failure to have adequate training and contingency plans. These and other violations can lead to negative public health and environmental consequences.

Some other states' hazardous waste reports and/or plans have collected similar data about geographic areas surrounding facilities and have offered suggestions on how they might use the gathered information. One suggestion, based on Washington state's State Solid and Hazardous Waste Plan, is to give impacted or disadvantaged communities priority in implementing pollution prevention (P2) programs. Further research is needed to determine best uses of the collected location information, but initial recommendations include prioritizing research regarding generators to those communities that meet specific criteria, such as communities identified as impacted or disadvantaged.

## 5. Transportation of Hazardous Waste

In accordance with Health and Safety Code (HSC) section (§) 25135(b)(2)(C), this section includes available information on the following elements related to the transportation of hazardous waste generated in California:

- The distance between locations where hazardous waste is generated and the destination facilities to which the hazardous waste is transported.
- The transportation options available for transporting hazardous waste to each destination facility.
- The cost of transportation to each destination facility.

To complete this analysis, the Hazardous Waste Management Program (HWMP) team used available data from the Hazardous Waste Tracking System (HWTS) and consulted with DTSC's Enforcement and Emergency Response Division and various hazardous waste transporters.

More than 94,000 generators in California shipped 1.41 million tons of hazardous waste off site in 2021.<sup>173, 174</sup> Approximately 800 hazardous waste transporters were registered by DTSC in California in 2022. The exact number of registered transporters changes frequently because registration must be renewed every year.

### 5.1 Summary of Regulatory Considerations

Transportation of hazardous waste from a generator to a treatment, storage, or disposal facility (TSDF) is an important aspect of hazardous waste management in California, because transportation provides the link from cradle-to-grave. In accordance with California Code of Regulations (Cal. Code Regs.), title 22 (tit. 22), section (§) 66260.10, a hazardous waste transporter is defined as "a person engaged in the off-site transportation (or movement) of hazardous waste by air, rail, highway, or water." Regulatory requirements for the transportation of hazardous waste that requires a manifest are found in Cal. Code of Regs., tit. 22, Chapter 13 – Standards Applicable to Transporters of Hazardous Waste.

Many types of hazardous waste shipped off site from a generator must be accompanied by a hazardous waste manifest. Regulatory requirements for the transportation of this manifested waste are found in Cal. Code of Regs., tit. 22, Chapter 13 – Standards Applicable to Transporters of Hazardous Waste. However, exceptions and exemptions do exist. For example, universal wastes (such as batteries and electronic devices) are

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<sup>173</sup> See Table 3.1-1

<sup>174</sup> 94,000 generators were identified in the HWTS database (CERS database figures differ and show more than 100,000 generators)

not required to be shipped with a manifest.<sup>175</sup> Universal wastes have their own transportation requirements in Cal. Code of Regs., tit. 22, Chapter 23. These transportation requirements for universal waste apply to any person engaged in the off-site transportation of universal waste by air, rail, highway, or water.

Manifested hazardous waste be transported only by a registered hazardous waste transporter with an EPA ID number and the proper insurance. Unlike generator EPA ID numbers, which are site and business specific, transporter ID numbers are assigned to the transportation company as a whole. This means that each individual truck uses the number issued to the company's headquarters location and does not receive its own unique number. However, universal waste may be transported using any standard shipping service or in private vehicles. California's universal waste regulations are based on U.S. EPA regulations, which are intended to encourage proper handling of universal waste by "eas[ing] the regulatory burden on retail stores and others that wish to collect or generate these wastes... [in order] to reduce the quantity of these wastes going to municipal solid waste landfills or combustors."<sup>176</sup>

DTSC collects transportation data for manifested waste in HWTS. Universal waste is not manifested, and there is no mechanism that tracks the transportation of these types of waste. Therefore, universal waste transportation data is unavailable.

There are other regulatory considerations hazardous waste transporters must make.

For example, manifested shipments of hazardous wastes may be stored at an exempt transfer facility for up to 10 days without requiring the facility to have a permit. The hazardous waste cannot be removed from its original packaging. Some facilities are not eligible for exemption due to their zoning or their location relative to certain structures.<sup>177</sup>

A transfer facility can include loading docks, parking areas, storage areas, and other similar areas where shipments of hazardous waste are held during the normal course of transportation. Use of more than one transfer facility during a single hazardous waste shipment could be considered incidental to normal transportation practices.

Transporters must plan for logistical concerns like driver and equipment availability to ensure that the allowed storage time is not exceeded.

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<sup>175</sup> Cal. Code Regs., tit. 22, § 66273.52

<sup>176</sup> United States, Environmental Protection Agency, " Universal Waste Rule (Hazardous Waste Management System; Modification of the Hazardous Waste Recycling Regulatory Program); Final Rule" Vol. 60 #91 Fed. Reg. (May 11, 1995)

<sup>177</sup> Cal. Code Regs., tit. 22, § 66263.18

## 5.2 Analysis of the Distances Between Generation and Destination Facilities

The hazardous waste manifest required to ship most hazardous wastes records the location of the generator and the location of the destination facility. This information can be used to determine the distance between the two locations. In conducting the analysis for this section, the HWMP team considered three methods of determining the distance between locations:

- Determination of the actual route traveled.
- Determination of the most efficient route that could be traveled.
- Calculation of the physical distance from the generation location to the destination facility “as the crow flies” utilizing the Haversine formula.

Information on the actual route taken is not available. For example, if hazardous waste is transported by truck, transporters are not required to track or report the actual routes driven from load pickup to destination facility.

Transporters do track the routes of hazardous waste shipments from pickup to destination facility, but this information is not readily available to DTSC. Therefore, data on actual routes taken is not included in this report. Even if this information were shared by transporters, it may not be feasible to include in future reports, as it would require time- and labor-intensive analysis of every trip.

Software could determine the most efficient route possible, but it would not produce accurate information for this report because transporters often do not take the most efficient route for a variety of reasons, including traffic, detours, or weather. Additionally, transporters often pick up wastes from multiple generators until they have enough to deliver to an exempt transfer facility for sorting. Based on conversations with transporters, these types of issues can add significant mileage to a trip. More significantly, the most efficient route is often unavailable to transporters due to the typical routing options available for trucking. These options are discussed in more detail later in this section.

Because of these factors, the HWMP team selected the third method, the physical distance from generation location to destination facility. The team used the Haversine formula to calculate this “as the crow flies” distance.

The Haversine formula is calculated with:

$$d = 2r * \arcsin \left( \sqrt{\sin^2 \left( \frac{\varphi_1 - \varphi_2}{2} \right) + \cos \varphi_1 * \cos \varphi_2 * \sin^2 \left( \frac{\lambda_2 - \lambda_1}{2} \right)} \right)$$

Where:

- $d$  is the calculated Haversine distance,
- $r$  is the radius of the earth,
- $\varphi_1$  and  $\varphi_2$  are the latitudes of the generator and destination facility, respectively, and
- $\lambda_1$  and  $\lambda_2$  are the longitudes of the generator and destination facility, respectively.

The HWMP team applied the Haversine formula to each hazardous waste manifest available in HWTS since 2010. This calculation yielded an average distance of 499 miles between generator and destination facility, while the median distance was calculated to be 240 miles, less than half the average distance. An average value can be skewed by outliers, while a median represents a typical value. The average distance being twice the median indicates that there were some abnormally long-distance shipments that significantly skewed the average distance upward. The team calculated average and median distances by considering each manifest, not by taking an average and median of the distances for each year. Figure 5.2-1 shows the average and median distance per year between hazardous waste generator and destination facility in California since 2010, calculated using the Haversine formula.

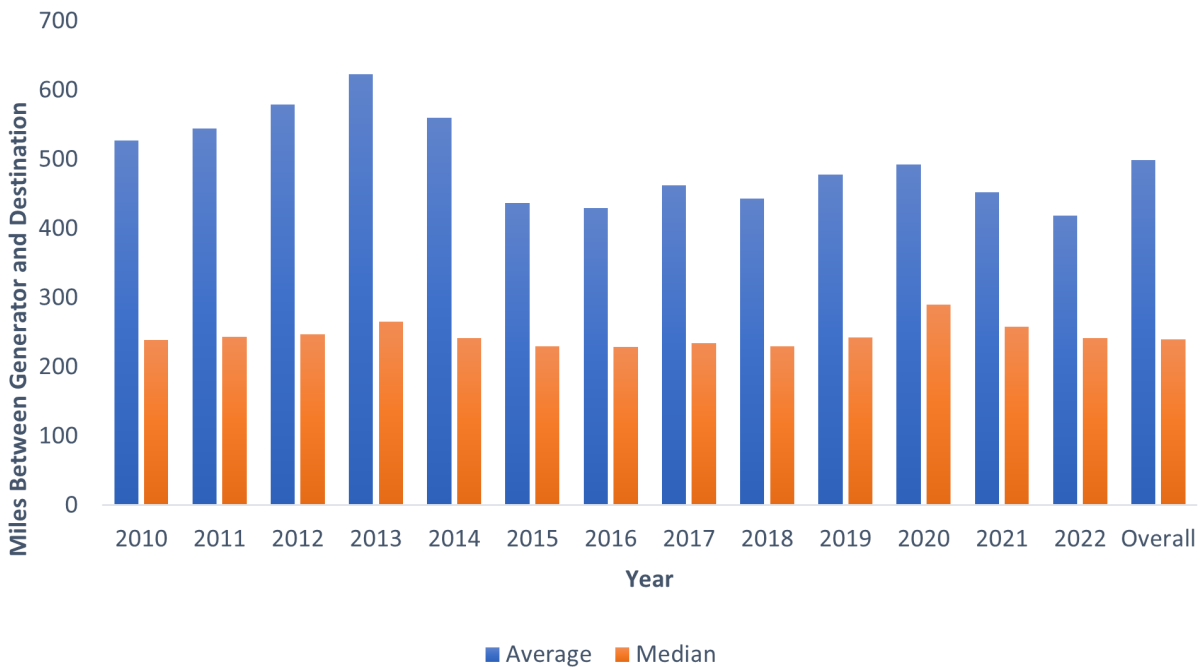


Figure 5.2-1: Haversine Distance Average and Median by Year for Waste Generated in California

Because the Haversine formula provides the calculated “as the crow flies” distance between generator and destination facility, it is an underestimation of the actual distance a transporter travels. The magnitude of the underestimate is dependent on how direct of a route the transporter takes.

### 5.3 Transportation Options

Hazardous waste is transported by four modes of transportation: truck, rail, ship, and air. The mode of transportation can impact the distance traveled due to the routing options available for each mode. The mode of transportation can also affect the manifest procedure.

Truck and rail transportation are far more common than ship and air transportation because overland routes are available and most destination facilities are within the contiguous United States. Modes of transportation can be used individually or together. For example, waste can be trucked to a permitted transfer station where it is later loaded into a railcar to reach its destination facility.

While a manifest is required for the transportation of most hazardous waste, it is not required for universal waste. As a result, the quantity of universal waste transported is not consistently tracked.

Gathering detailed information on the modes of transportation used is difficult because, even for hazardous waste that does require a manifest, the manifest is not required to list the mode of transportation. However, information included on the manifest can sometimes be used to infer the most likely mode used. For example, the container type must be included on the manifest, and some container types are only used in certain modes of transportation, such as dump trucks, hopper or gondola cars, and tank cars. Other container types, such as metal boxes and wooden drums, are not specific to any one mode of transportation. In these cases, inferring the transportation method is difficult.

In general, the transporter must ensure that the manifest accompanies the hazardous waste.<sup>178</sup> For rail transportation, the manifest is recorded at the point of hand-off from a trucking transporter to the rail transporter and then shipped separately to the next non-rail transporter. Any movements during rail transportation, including changes from one train line to another, are tracked by railroad waybills and are not tracked on the manifest. If there is no subsequent non-rail transporter, the manifest is shipped to the final TSDf or other destination facility.<sup>179</sup> When hazardous waste is transported by ship,

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<sup>178</sup> Cal. Code Regs., tit. 22, § 66263.20(c)

<sup>179</sup> Cal. Code Regs., tit. 22, § 66263.20(i)

a manifest does not need to accompany the hazardous waste, but other shipping papers are required to accompany the waste.<sup>180</sup>

### 5.3.1 Trucking Considerations and Routing Options

During analysis of the hazardous waste transportation options available, DTSC determined that three routing approaches are typically used for trucking:

- Direct transportation
- Load-building transportation
- Consolidated manifesting

In the direct transportation routing approach, hazardous waste is transported directly from the generator to the destination facility, as seen in Figure 5.3-1. This may occur if a generator has contracted with a transporter to take its hazardous waste to a single TSDF or other destination facility without additional stops. If there is not enough waste to fill the truck, the transporter will likely require the generator to pay the cost of an entire truckload because some transport costs, such as fuel and driver pay, do not change even if a truck is not full.

The direct transportation approach is the most suited to the Haversine formula, but there is still a difference between the Haversine-calculated distance and the actual distance traveled, because roads do not extend straight from point-to-point, and hazardous waste drivers may not always take the most direct route due to weather or road conditions. In addition, transporting hazardous waste often involves routing restrictions. For example, transporters delivering to the Clean Harbors Buttonwillow landfill are required to take the hazardous waste route around the town of Buttonwillow, California, even though driving through the town may be the most direct route to the landfill.<sup>181</sup> There are also some tunnels that trucks carrying hazardous materials or wastes are not allowed to use, causing the transporter to take a more circuitous route.



*Figure 5.3-1: Example Schematic of Direct Transportation*

<sup>180</sup> Cal. Code Regs., tit. 22, § 66263.20(h)

<sup>181</sup> Laidlaw Environmental Services (Lokern), Inc. Lokern Facility Modification Final Supplemental Environmental Impact Report Volume 1: Revised Draft Supplemental Environmental Impact Report. Ogden Environmental and Energy Services Co., Inc. August 1994.

Load-building transportation is used when a generator does not generate enough hazardous waste to fill a truck. In this case, a transporter may “load-build” by picking up hazardous waste and their accompanying manifests from multiple generators before driving to a TSDf or other destination facility, as seen in Figure 5.3-2.

Load-building may also be used even if a generator can fill a truck but the load is made up of different types of hazardous waste. The transporter may bring the waste to an intermediate facility<sup>182</sup>, where the waste is reorganized (e.g., sorted by waste type) and sent to different TSDFs or destination facilities.

The use of intermediate facilities may also involve different types of trucking companies. Local truckers may initially transport hazardous waste from the generator to an intermediate facility, and long-haul truckers may then transport the waste to the final TSDf or other destination facility, or possibly to another intermediate facility.

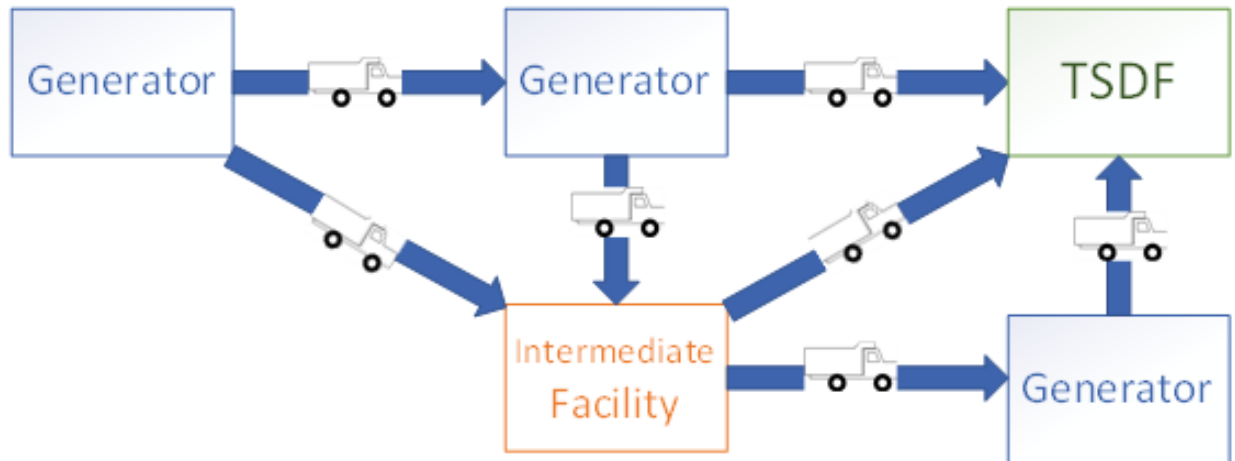
Due to the complex nature of the load-building routing approach, the calculated Haversine distance is not likely representative of the actual distance driven. As noted above, when the transporter signs the manifest, the EPA ID number for that transporter is not address specific, so it is unknown where each transfer of hazardous waste occurs.<sup>183</sup> For example, large transportation companies have EPA ID numbers that identify them as having their headquarters in another state. It would not be unusual to be a transporter EPA ID beginning with MAD, indicating that their headquarters is in Massachusetts. As such, determining the total distance traveled between the generator, any intermediate facilities, and the final TSDf or destination facility would require a much more complicated analysis of each manifest. Considering that there are 400,000 to 500,000 manifests created annually and the routing method is not known, conducting an analysis of the actual route driven is likely not feasible.

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<sup>182</sup> Intermediate facilities can include both exempt and non-exempt transfer stations.

<sup>183</sup> Multiple drivers that work for a single transporter do not need to sign the manifest, so waste hand-offs between different drivers working for the same company are not recorded on the manifest.





*Figure 5.3-2: Example Schematic of Load-Building Transportation*

Consolidated manifesting – formerly known as modified manifesting or “milk runs” – involves a registered transporter taking specific types of hazardous waste from multiple generators and recording them on a single manifest rather than using a separate manifest for each generator. The transporter leaves a receipt with the generator identifying the manifest number on which its waste is being shipped, but these manifests do not list the address or identification of the individual generators. Instead, the transporter identifies itself as the generator. Therefore, when a consolidated manifest is used, HWTS has no information about the actual generators of the waste listed on the manifest. The generator information is available in the Transporter Quarterly Report database, but this data is currently in a spreadsheet format that cannot be readily analyzed.

Consolidated manifesting is used only for a limited number of specific waste streams. California HSC § 25160.2(b) and HSC § 25160.2(c) describe the eligible waste streams and the procedures allowed. Some eligible waste streams include used oil, antifreeze, and brake fluid. Figure 5.3-3 is an example schematic of consolidated manifest transportation.

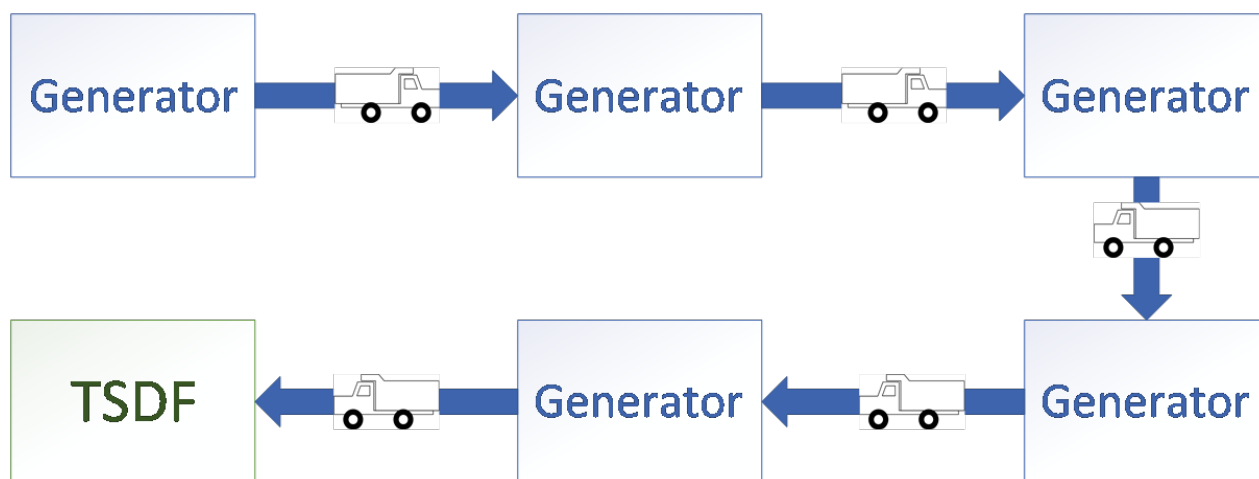


Figure 5.3-3: Example Schematic of Consolidated Manifest Transportation

### 5.3.2 Rail Considerations and Options

Hazardous wastes can be transported solely by rail if there is a rail spur at the generator's location and at the TSDF or other destination facility. However, most rail transportation of hazardous wastes is used in combination with trucks. In this situation, truck transportation brings waste from the generator to a rail spur and/or from a rail spur to the TSDF or other destination facility.

Figure 5.3-4 shows the major rail lines in the United States, with different colors representing the major rail companies that own those lines. There are a limited number of national rail lines, and the western half of the country has a lower density of rail lines than the eastern half of the country.

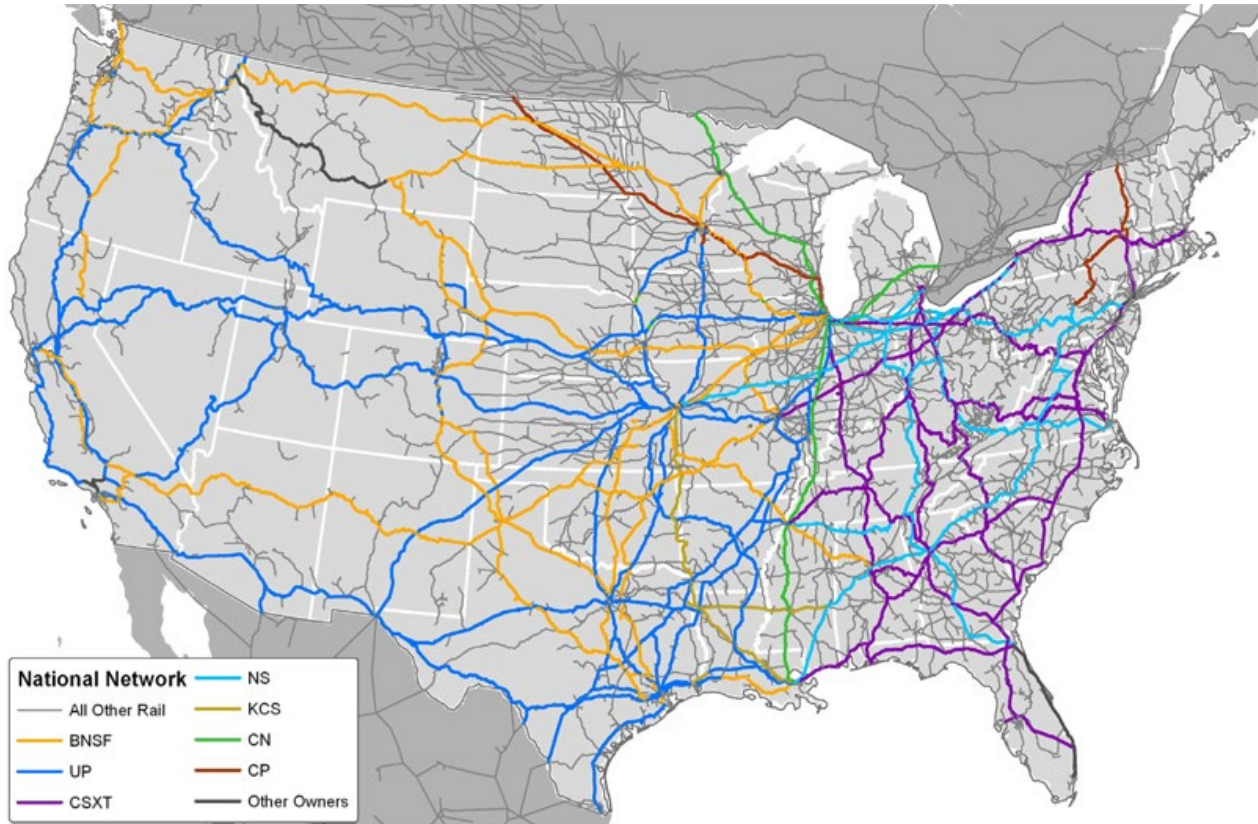


Figure 5.3-4: Map of National Rail Lines by Company<sup>184</sup>

In cases where hazardous waste is transported by both truck and rail, hazardous waste containers are not typically opened during the transfer from the truck to the train. Hazardous waste can be packaged in an intermodal container that can be moved from the truck to the train car with a forklift. Other types of containers, such as drums, can be transferred from the truck to the rail car without opening the drums. Often, rail cars are owned by a third party – neither the trucking company nor the rail company – and are leased by the hazardous waste transportation company.

Because there is a limited number of rail lines, hazardous waste that is transported by rail may travel a route that is not as direct as a truck could. Nonetheless, rail transport can cost far less per mile traveled. Bulk shipments sent exclusively by rail can cost as little as one third of what a shipment sent exclusively by truck would cost per ton/mile. A hybrid model, with truck transport bringing material to and from a rail spur, can still cost as little as half that of the same shipment being transported solely by truck.<sup>185</sup>

<sup>184</sup> "Freight." – Mississippi Export Railroad, [Website Link](#).

<sup>185</sup> Rsiadmin. "Comparing the Costs of Rail Shipping vs Truck." RSI Logistics, 24 Mar. 2022, [Website Link](#).

Fuel efficiency is one reason rail transport is usually less expensive than truck transport. Trains can be up to four times more fuel-efficient than trucks,<sup>186</sup> resulting in substantial fuel savings. Labor costs are another significant factor. Rail transport requires relatively few workers given the large number of cars that can be in a single train, while each individual truck needs a driver. Therefore, when feasible, rail can be more cost effective per ton/mile.

## 5.4 Transportation Costs

Estimating the cost of transportation is difficult. Using information from hazardous waste manifests to determine a dollars-per-mile cost would require too many situational assumptions to provide an accurate understanding. Instead, DTSC considered two primary approaches to gather cost data – requesting information from transporters or requesting information from generators. For this analysis, DTSC consulted with various transporters because pricing is established by transporters.

Unfortunately, transporters were not willing to provide information regarding a cost per mile traveled, due in part to the potential that it would set a cost expectation with their customers. Transporters were also reluctant to publish pricing information that competitors might use to attain a competitive advantage. Therefore, DTSC does not have access to a calculated cost per mile from hazardous waste transporters.

In addition to competitive concerns, transporters' pricing can fluctuate substantially, as there are many factors that contribute to the cost of hazardous waste transportation, including:

- Type of hazardous waste being transported
- Fuel prices
- Driver availability and type (local vs long haul)
- Urgency and size of load
- Transportation company model (transportation only or “full service,” which can offer transportation, treatment, and disposal)

The type of hazardous waste is also an important consideration for pricing because some types of waste require specific types of equipment or handling. For example, corrosive hazardous waste liquids need special, lined containers on trucks, while non-corrosive hazardous wastes can be transported in less specialized containers that may cost less to operate and maintain. Further, certain types of hazardous waste must be treated or managed in certain disposal facilities, such as incinerators, which will determine the TSDf or destination facility selected.

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<sup>186</sup> “Freight Rail Facts & Figures.” Association of American Railroads, 27 Sept. 2022, [Website Link](#).

There are many fluctuating variables that influence the cost of hazardous waste disposal. Fuel prices, labor costs and transporter availability factor into fluctuating transportation costs. The size of the load and urgency of the pickup will impact cost. For example, if a generator needs a pickup on short notice and does not have enough for a full load, the transporter may charge more for the expedited service and for transporting less than a full load.

The type of transporter may factor into the pricing. Small to medium size transporters that focus on local projects may price differently than larger transporters. Larger transporters may be part of a network that includes intermediate facilities, such as permitted TSDFs, allowing for different pricing structures based upon the other services they may be able to offer.

Additional research could involve consulting with various generators to obtain information on the actual costs they have incurred. However, this may only provide a snapshot of pricing in a specific year and be representative of only a few individual projects. Considering there were approximately 94,500 generators recorded in HWTS in 2021, this approach may not provide an accurate understanding of broad hazardous waste transportation costs.

## 5.5 Destination Facility Selection

The Commerce Clause has been interpreted to mean that states cannot tax interstate commerce without prior permission from Congress, which prevents DTSC from creating policies that favor in-state disposal over out-of-state disposal.<sup>187</sup> DTSC therefore does not have the authority to determine the hazardous waste destination facility. Hazardous waste generators must select the destination facility for the hazardous waste they are shipping offsite. The role of the transporter is solely to bring hazardous waste from the generator to the destination facility. However, transporters can advise generators, as they often have broader knowledge than generators regarding which facilities are able to manage the type of waste a generator needs to send off site. It is ultimately the generator's decision where to send their waste, taking into consideration where it can be lawfully managed. Some destination facilities also have their own transportation business.

There are many considerations generators use in selecting a TSDF or other destination facility. Total transportation costs increase with distance due to labor and fuel costs, so a generator might reasonably assume a TSDF or destination facility that is closer would be more cost effective than one farther away. However, different TSDFs or destination

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<sup>187</sup> Levinson, A (1999), "NIMBY taxes matter: the case of state hazardous waste disposal taxes," *Journal of Public Economics* 74, 31–51

facilities may have different disposal fees, which could incentivize a generator to send its hazardous waste to a lower-fee facility that is farther away.

Between January 2010 and May 2022, the percent of California's hazardous waste remaining in state for management has decreased. Over that 12-year period, a total of 21.05 million tons of manifested hazardous waste was generated in California.<sup>188</sup> 81 percent (17.02 million tons) of this was non-RCRA hazardous waste and 19 percent (3.79 million tons) was RCRA hazardous waste.<sup>189</sup> The remainder (0.24 million tons) was not classified on hazardous waste manifests. Waste that is not classified is a data gap, since all hazardous waste in California should be classified as either RCRA or non-RCRA.

In 2010, 62 percent of manifested hazardous waste generated in California remained in California for management (1.09 million tons out of 1.75 million tons). In 2021 (the most recent full year analyzed), 52 percent of manifested hazardous waste generated in California remained in California for management (0.73 million tons out of 1.41 million tons).<sup>190</sup> Because California regulates more wastes as hazardous than the U.S. EPA does under RCRA, most other states do not identify these non-RCRA wastes as hazardous in their states, and they are not required to manage them in hazardous waste facilities. As a result, California generators of non-RCRA hazardous waste can realize reduced disposal costs by sending their waste to these out-of-state facilities. Some states, however, do manage California's non-RCRA hazardous waste in hazardous waste facilities.

While most hazardous waste generated in California is managed in state, Utah, Arizona, and Nevada are the top three other states that receive California-generated hazardous waste. Utah and Arizona do not recognize California's non-RCRA wastes as hazardous and manage them at non-hazardous waste facilities. While 81 percent<sup>191</sup> of the hazardous waste California generates is non-RCRA waste, it comprises 89 percent<sup>192</sup> of the manifested hazardous waste sent to Utah and 95 percent<sup>193</sup> of the manifested hazardous waste sent to Arizona since 2010.

Nevada is a reciprocity state, which means it manages waste according to how it is identified in the origination state. So, even though California's non-RCRA hazardous wastes are not identified as hazardous in Nevada, Nevada requires that those wastes be disposed of in hazardous waste management facilities. The proportion of non-RCRA

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<sup>188</sup> See Section 3.1.1

<sup>189</sup> See Section 2.1.5

<sup>190</sup> See Table 3.1-1

<sup>191</sup> See Section 2.1.5

<sup>192</sup> See Section 3.1.2.1

<sup>193</sup> See Section 3.1.2.2

waste that Nevada accepts from California is 57 percent,<sup>194</sup> which is lower than the 81% of all California generated hazardous waste that is non-RCRA. The data indicates that California generators preferentially send RCRA waste to Nevada over non-RCRA waste. This could be both due to the reciprocity agreement and due to Nevada having a TSDF that can accept certain wastes from specific industries.

Because some hazardous wastes have specific treatment or disposal requirements, generators may have no in-state TSDF or destination facility options. For example, some wastes such as polychlorinated biphenyls (PCBs) and halogenated organic compounds (HOCs) at certain concentrations must be incinerated,<sup>195</sup> but there are no commercial hazardous waste incinerators in California. The closest hazardous waste incinerator is in Utah, as shown in Figure 5.5-1. Therefore, hazardous wastes that must be incinerated must be transported out of state to a permitted hazardous waste incinerator. Also, an incineration facility may have a backlog and be temporarily unavailable to accept additional hazardous waste, necessitating the selection of a different facility if one is available.



Figure 5.5-1: Map of Hazardous Waste Incinerators<sup>196</sup>

<sup>194</sup> See Section 3.1.2.3

<sup>195</sup> Cal. Code Regs., tit. 22, § 66268.42

<sup>196</sup> "Map of Commercial Waste Combustors in the U.S." EPA, Environmental Protection Agency, [Website Link](#).

## 5.6 Fee Changes

Recent changes to the fee structure for disposal of hazardous waste could influence transportation patterns, including the selection of a destination facility. These changes per California HSC § 25205.5.1, include:

- Changes to all fee rates, effective January 1, 2022
- Repeal of the generator fee, effective January 1, 2022
- Creation of the generation and handling fee at \$49.25 per ton or each fraction of a ton of hazardous waste generated, effective January 1, 2022
- Repeal of the disposal fee, effective June 30, 2022

## 5.7 Summary and Future Work

Per HSC § 25135(b)(2)(C) this section addressed the following topics:

- Information on the distance between generators and the destination facilities to which they send their hazardous waste
- The transportation options available for shipping hazardous waste to each destination facility
- The cost of transportation to each destination facility.

It is difficult to accurately calculate the distance traveled by transporters between generators and destination facilities. Using hazardous waste manifests available in HWTS between January 2010 and May 2022, DTSC used the Haversine formula to calculate the straight-line distance between each generator and destination facility for each manifest. This calculated distance is an underestimation of the total distance traveled, as it does not consider the actual routes available or used. The average distance between generator and destination facility since 2010 was determined to be 499 miles, while the median was 240 miles. Because an average, or mean, is the sum of all data divided by the number of data points, the figure can be skewed by atypical values, such as a few very long-distance shipments to out-of-state incinerators. This likely explains the average distance being twice the median distance. The median figure better represents a typical shipment of hazardous waste.

There are many transportation options available to generators. There are approximately 800 registered transporters in California, though this number changes frequently because registration is only valid for a year. Hazardous waste can be transported by air, rail, truck, or ship. In California, air and ship transportation of hazardous waste are rarely used; hazardous waste is primarily transported using truck or rail since overland routes are available. Transportation by truck can utilize multiple routing strategies, some of which can make the calculated Haversine distance a significant underestimation. Rail transportation can be less expensive than truck transportation, but there is a limited number of rail lines and rail spurs in California. Sometimes, a hybrid transportation



model is used. In these cases, one truck brings hazardous waste to a rail spur near the generator and another truck picks it up at a rail spur near the destination facility.

DTSC interviewed hazardous waste transporters to determine the cost per mile of transportation, but none would provide a figure because pricing is considered confidential business information. Many other factors also make the cost per mile difficult to determine. For example, fuel and labor costs fluctuate, and some wastes, such as corrosive waste, require expensive specialized equipment.

There are many potential areas of future research into the transportation of California's hazardous waste. Examples include:

- Analyzing the new fee structure to determine whether it will change hazardous waste transportation patterns or destination facility selection
- Researching the relative impacts on EJ communities of hazardous waste transportation, hazardous materials transportation, and overall commercial transportation
- Surveying generators regarding how they select a transporter, how they select a destination facility, and whether there is transportation pricing information that can be shared.

## 6. Analysis of Pollution Prevention Programs

In accordance with Health and Safety Code (HSC) section (§), 25135(b)(3), this report section includes available information and discussion of the following elements related to pollution prevention (P2):

- A summary of the past and current Department of Toxic Substances Control (DTSC) P2 programs
- An analysis of national and international P2 programs

The purpose of this section is to inform recommendations for changes to the implementation of HSC Article 11.8 (starting at § 25244) and Article 11.9<sup>197</sup> (starting at § 25244.12). These recommendations are to be included in the Hazardous Waste Management Plan in accordance with HSC § 25135(d)(7).

### 6.1 Summary of HSC Articles 11.8 and 11.9

Pollution prevention has been an important goal of DTSC for decades. DTSC's program was established in the 1980's with California Health and Safety Code Articles 11.8 and 11.9. Changes were made to these articles in 2012, which made implementation of the requirements discretionary and contingent on funding, with the exception of facility reporting requirements. These statutory changes were made during the reorganization of DTSC's P2 program between 2012 and 2013.

HSC Article 11.8 is called the Hazardous Waste Reduction, Recycling, and Treatment Research and Demonstration Act of 1985. The article states that the generation of hazardous waste is to be reduced or eliminated and that waste that is generated should be recycled, treated, or properly disposed of in a manner that minimizes impacts to human health and the environment. Every generator of hazardous waste is required by the Act to submit a report at least once every two years on the changes in volume and toxicity of waste achieved through waste reduction.<sup>198</sup> Per the Act, the Department established a Hazardous Waste Technology, Research, Development, and Demonstration Program. One purpose of this program was to provide grants to research, develop, and demonstrate P2 technologies.<sup>199</sup> Any grant funds that resulted in a commercially viable technology were to be repaid by the entity that received the grant, and DTSC was to receive a percentage of the royalties.<sup>200</sup> All grant funds have been dispersed, and there is no additional funding available. Article 11.8 is contingent upon

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<sup>197</sup> HSC Article 11.9 is also called SB 14

<sup>198</sup> HSC § 25244.4

<sup>199</sup> HSC § 25244.5(a)

<sup>200</sup> HSC § 25244.5(b)(2)

available funding per HSC § 25244.01(a). The reporting requirement for generators in HSC § 25244.4 remains in place.

HSC Article 11.9 is called the Pollution Prevention and Hazardous Waste Source Reduction and Management Review Act. The intent of the article is to promote the reduction of hazardous waste at its source and, where this is not feasible or practicable, to encourage recycling. If neither reduction nor recycling of hazardous waste is feasible, the statute requires the waste to be treated in an environmentally safe manner.<sup>201</sup> DTSC's duties in implementing Article 11.9 are contingent upon, and limited to, the availability of funding per HSC § 25244.13.1.

Pollution prevention is defined in HSC Article 11.9 as the reduction of chemical sources that have adverse impacts on public health and the environment, including, but not limited to, source reduction.<sup>202</sup> Source reduction is defined as either an action that causes a net reduction in the generation of hazardous waste or an action taken before the hazardous waste is generated that results in a lessening of the properties that cause it to be classified as a hazardous waste.<sup>203</sup> Source reduction includes, but is not limited to, input changes, operational improvements, production process changes, and product reformulation.<sup>204</sup> Source reduction does not include actions taken after the hazardous waste is generated, actions that merely concentrate the hazardous waste to reduce its volume or that dilute it to reduce its hazardous characteristics, actions that shift hazardous wastes from one environmental medium to another, or treatment.<sup>205</sup>

Generators of hazardous waste are required to produce certain documents every four years if they routinely generate, through ongoing processes and operations, more than 12,000 kg of hazardous waste in a calendar year or more than 12 kilograms of extremely hazardous waste in a calendar year.<sup>206</sup> These required documents include a source reduction evaluation review and plan,<sup>207</sup> a summary progress report,<sup>208</sup> and a hazardous waste management performance report.<sup>209</sup>

The source reduction evaluation review and plan must identify routinely generated waste streams that meet certain criteria,<sup>210</sup> estimate quantities generated, and evaluate

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<sup>201</sup> HSC § 25244.13(f)

<sup>202</sup> HSC § 25244.14(g)

<sup>203</sup> HSC § 25244.14(i)(1)

<sup>204</sup> HSC § 25244.14(i)(2)

<sup>205</sup> HSC § 25244.14(i)(3)

<sup>206</sup> HSC § 25244.15(d)(1)

<sup>207</sup> HSC § 25244.19(a)

<sup>208</sup> HSC § 25244.19(b)(10)

<sup>209</sup> HSC § 25244.20(a)

<sup>210</sup> HSC § 25244.19(b)(3)

potentially viable source reduction approaches, including input changes, operational improvements, production process changes, and product reformulations.<sup>211</sup> The source reduction evaluation review and plan must also include an evaluation of the effects of the chosen source reduction method and a timetable toward implementation.

The summary progress report must briefly summarize the results of implementing source reduction methods. The hazardous waste management performance report must include information from the baseline reporting year, the current reporting year, as well as information on factors affecting hazardous waste generation in the current year.<sup>212</sup> While DTSC's duty to implement Article 11.9 is contingent upon, and limited to, the availability of funding, this does not eliminate any requirements of Article 11.9 that are imposed upon generators.<sup>213</sup> Generators originally sent the documents to DTSC, but the documents must now be available onsite to any inspection authority upon request.<sup>214</sup>

Article 11.9 also created the California Pollution Prevention Advisory Committee to implement Article 11.9 and assess the performance of DTSC's Pollution Prevention Program. The committee was to be comprised of members with a variety of backgrounds, including the directors of several government agencies (such as DTSC), representatives of industry, and representatives of environmental advocacy organizations. The committee advised the Department and assisted in the planning and prioritization of P2 activities.

## 6.2 Overview of DTSC's Former Pollution Prevention Program

California HSC Article 11.8 and Article 11.9 formed the basis for the creation of DTSC's Pollution Prevention (P2) program in the late 1980s. The P2 program was disbanded in 2012-2013 and reimagined into DTSC's Safer Consumer Products program. The P2 program worked toward the Department's aim of promoting green technology and seeking continuous improvement in California's sustainability. The P2 program operated under successive two-year workplans that described which industries to target for source reduction projects, the goals of those projects, and the results of past projects.

A Source Reduction Advisory Committee provided guidance for the P2 program. The Committee was comprised of a variety of industry representatives, environmental activists, and government agency employees. The responsibilities of the Committee included:

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<sup>211</sup> HSC § 25244.19(b)(4)(a) and (b)

<sup>212</sup> HSC § 25244.20(b)

<sup>213</sup> HSC § 25244.13.1(a) and (b)

<sup>214</sup> HSC § 25244.18(a)

- Reviewing the P2 program’s two-year workplans
- Evaluating the performance of the P2 program
- Making recommendations concerning program activities, funding priorities, and legislative changes.<sup>215</sup>

During its existence, the P2 program administered a variety of projects. DTSC measured the success of individual projects by evaluating their real-world environmental impacts against key metrics, including source reduction effectiveness, reduction of hazardous chemicals use in consumer products, and advancement of environmental justice goals.

One major aspect of the P2 program was reviewing the reports and plans from hazardous waste generators, as required by HSC Articles 11.8 and 11.9, to prepare source reduction assessments on an industry-by-industry basis. The assessments included information about each business, major waste streams, pollution prevention accomplishments, and projections for future waste generation. Industry assessments were also included in each of the P2 program’s two-year workplans.

### 6.2.1 Former DTSC P2 Program Example Projects

Rather than mandating hazardous waste reduction, the P2 program worked with businesses to accomplish source reduction goals. One example is an initiative that created Hazardous Waste Minimization Checklists for businesses. A checklist for paint formulators, for example, included suggestions on maximizing solvent and filter life, using high-pressure but low-volume hoses for cleaning, and using a counter-current cleaning system.<sup>216</sup> These suggestions saved businesses money by reducing the need for hazardous waste disposal and reducing the need to purchase raw materials by improving efficiency. In addition, the P2 program dispensed grants to encourage the development of new technologies. Some of the P2 grants resulted in the demonstration of new technologies that reduced the volume or hazardous nature of waste or provided recycling or treatment options for different industries.

DTSC’s P2 program was primarily focused on source reduction efforts, and experienced many successes. As an example, California’s Incinerable Hazardous Waste Minimization Project specifically targeted the state’s largest generators of waste

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<sup>215</sup> HSC § 25244.15.1

<sup>216</sup> California, Department of Toxic Substances Control, “Hazardous Waste Minimization Checklist & Assessment Manual for Paint Formulators” Doc No. 403 (May 1991)

requiring incineration. Because there are no commercial hazardous waste incinerators in California, all waste requiring incineration must be shipped out of state. Of the 57 facilities identified as top priority, 39 signed a voluntary agreement to work with DTSC in exchange for technical and regulatory assistance. By 1992, those 39 participating facilities had reduced incinerable waste generation by 53 percent compared to 1987 (92,394 tons of incinerable waste reduced to 43,119 tons). These generators were able to reduce their incinerable waste in a variety of ways. For example, one aircraft company used a corrosion-resistant paint that required the use of a catalyst and, therefore, had a shelf life of only eight hours. Paint not used within this time frame had to be disposed of. Because less than 2-ounces of paint was typically used per shift, the company switched from 4-ounce to 2-ounce paint containers, reducing the amount of unused paint that was wasted.<sup>217</sup> The significant reduction of incinerable waste was a major success for the businesses that participated in the project, as well as for the P2 program.

Recycling was a secondary goal of California's P2 program under Article 11.9, even though recycling is not strictly part of pollution prevention. There were many successes that improved hazardous waste recycling. For example, one Hazardous Waste Reduction Technology Demonstration Project investigated the recycling of spent fluorescent lamps. Fluorescent lamp bulbs have phosphor powder that contains mercury, cadmium, and antimony, which classifies the bulbs as hazardous waste. The project demonstrated a process that resulted in glass and metal end caps that could be recycled as non-hazardous waste. The recycling process significantly reduced the amount of hazardous waste, as only the recovered phosphor powder was hazardous instead of the entire bulb.<sup>218</sup> However, recycling facilities were required to obtain permits from DTSC to conduct these activities, which was a barrier for businesses to conduct the recycling.

Treatment of hazardous waste is a tertiary area of research under Article 11.9, though also not strictly part of pollution prevention. The P2 program administered several Remedial Technology Pollution Demonstration Projects for site cleanups, examining remedies like the treatment of contaminated materials to render them non-hazardous. For example, one project examined the use of sodium bisulfite solution to reduce the hazardous nature of soil contaminated with hexavalent chromium by reducing it to less hazardous trivalent chromium. The project demonstrated a 95.8 percent reduction in

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<sup>217</sup> California, Department of Toxic Substances Control, "Pollution Prevention 1993: A Year in Review"

<sup>218</sup> California, Department of Toxic Substances Control, "Hazardous Waste Reduction Technology Demonstration Project Report: Demonstration of Spent Fluorescent Lamp Processing." Doc No. 1215 (June 1992).

hexavalent chromium in the soil, reducing its concentration below hazardous levels.<sup>219</sup> Unfortunately, there is no documented follow up to this project, so DTSC has been unable to determine why sodium bisulfite solution never became widely used. This could be a matter for further study.

Another Hazardous Waste Reduction Technology Demonstration Project investigated whether boiler fly ash could be used in cement manufacturing to eliminate the need to dispose of it as a hazardous waste. While the project was proven to be technically successful, the cost of using fly ash in comparison with other raw materials was not feasible. Another hindrance was that the use of fly ash in the cement may have been prohibited by the use constituting disposal regulations.<sup>220</sup> As a result, fly ash was only used in cement for the duration of the demonstration project and its use was discontinued after the demonstration was complete.<sup>221</sup>

Despite the P2 program's successes, it did not result in the adoption of viable alternatives at an industry-wide scale. Accomplishments were typically limited to specific industries or were implemented by so few generators that there were no significant reductions to the overall quantity of waste generated in California. Instead, reductions were generally limited to specific projects or companies.

### 6.2.2 P2 and Safer Consumer Products

By the end of 2013, DTSC redirected resources from the P2 program to support the Safer Consumer Products (SCP) program and other hazardous waste program needs. Concurrently, the P2 statutes were amended to give DTSC discretion as to whether to conduct P2 activities that had previously been mandated. Though the P2 and SCP programs are both intended to reduce potential harm from hazardous chemical use, their focuses are different. The P2 program focused on providing guidance to businesses to reduce the generation of hazardous waste. The SCP program focuses not on waste but on promoting safer alternatives and reducing hazardous chemicals in consumer products.

The SCP program is also different from the P2 program in that it has regulatory authority over businesses. The P2 program was almost entirely voluntary and had no

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<sup>219</sup> California, Department of Toxic Substances Control, "Remedial Technology Demonstration Project Report: Chemical Reduction of Hexavalent Chromium Contaminated Soils for a Site in Bakersfield, California." (June 1991).

<sup>220</sup> Any P2 proposals that investigated potential options for reducing or managing wastes would have to comply with regulations.

<sup>221</sup> California, Department of Toxic Substances Control, "Hazardous Waste Reduction Technology Demonstration Project Report: Boiler Fly Ash Used as a Feedstock in the Manufacture of Portland Cement" Doc No. 1212 (June 1992)

authority to compel businesses to reduce hazardous waste generation, nor did it have adequate resources to incentivize P2. HSC Articles 11.8 and 11.9 remain in effect, though unfunded, and still require businesses to write hazardous waste generation and reduction documents, but there have never been any requirements that businesses reduce hazardous waste generation. The SCP program, in contrast, has regulatory authority over specific Priority Products that contain Chemicals of Concern. The program can require manufacturers to discontinue the use of Chemicals of Concern if a safer alternative exists that is functionally acceptable and technically and economically feasible. Even if no safer alternative exists, SCP can ban a Priority Product if the product's social utility does not outweigh its adverse impacts.<sup>222</sup> Additionally, the SCP program can require manufacturers of Priority Products to conduct additional research, provide hazard and safe handling information to DTSC or to consumers, or develop and implement stewardship programs for products that become hazardous waste at their end of life.

### 6.3 Analysis of National and International Pollution Prevention Programs

Many P2 programs exist nationally and internationally. The United States Environmental Protection Agency (U.S. EPA) administers a P2 program and defines P2 as any practice that reduces, eliminates, or prevents pollution at its source before it is created. U.S. EPA's exclusive focus on source reduction is different from DTSC's former P2 program, which also had recycling and treatment as stated pollution prevention goals, though lower in priority than source reduction.

Like many other P2 programs, the U.S. EPA program encourages reduction in the use of chemicals, energy, and water to make processes less resource intensive. DTSC's former P2 program was primarily focused on hazardous waste reduction rather than on other environmental goals like reducing energy and water use.<sup>223</sup>

U.S. EPA administers grants to support P2 programs that provide technical assistance to businesses that are unable to reduce pollution at its source due to a lack of information. Grant recipients must provide these businesses with training in source reduction techniques. U.S. EPA has identified five industrial sectors as National Emphasis Areas (NEA) for its grant program:<sup>224</sup>

1. Food and beverage manufacturing and processing
2. Chemical manufacturing, processing, and formulation
3. Automotive manufacturing and maintenance

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<sup>222</sup> Cal. Code Regs., tit. 22 § 69506.5

<sup>223</sup> United States, Environmental Protection Agency. "Learn About Pollution Prevention." [Website Link](#). Accessed 16 August 2022.

<sup>224</sup> United States, Environmental Protection Agency. "P2 National Emphasis Areas (NEAs)." [Website Link](#). Accessed 16 August 2022.



4. Aerospace product parts manufacturing and maintenance
5. Metal manufacturing and fabrication

In addition, U.S. EPA emphasizes support for pollution prevention on Tribal lands and Alaskan native villages even if the P2 program does not specifically support any of the five NEA industrial sectors.

For a two-year funding cycle from 2022-2023, the U.S. EPA P2 program is administering two grant programs based on two federal funding sources. One program requires a 50 percent match in funding from the grant recipient, with an exception for Tribal governments. This program will award up to 20 grants, with individual awards of up to \$800,000 for the two-year funding period. The other program does not have a matching requirement and awards 50 grants with a maximum individual award ceiling of \$350,000. The grants must meet one of two objectives: the grant applicant must provide technical assistance to businesses/facilities about source reduction techniques; or the grant applicant must identify, develop, document, and share P2 best management practices and innovations.

U.S. EPA administers another grant program called Source Reduction Assistance (SRA), which supports research, experiments, surveys, demonstration projects, education, and training related to source reduction approaches. SRA's matching requirement is only 5 percent. The total funding availability is \$1,135,000, and U.S. EPA anticipates awarding eight to 27 grants ranging from \$40,000 to \$250,000. Summaries of P2 and SRA grants awarded, as well as grant results, are available on the U.S. EPA website.

From 2011-2020, U.S. EPA issued 504 grants for a total of \$54.1 million. Over one four-year stretch in this time period,<sup>225</sup> U.S. EPA cited these benefits:<sup>226</sup>

- 2 billion dollars saved for businesses.
- 814 million pounds of hazardous materials not used.
- 45.5 billion gallons of water saved.
- 18.6 million metric tons of greenhouse gases not emitted.
- 28.4 billion kilowatt hours of energy saved.

It is not known whether these metrics consider the total impact of the new technologies developed with the assistance of the grant program. For example, replacing

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<sup>225</sup> Calculated with a 4-year rolling period because P2 benefits are re-occurring.

<sup>226</sup> United States, Environmental Protection Agency. "Grant Programs for Pollution Prevention." [Website Link](#). Accessed 16 August 2022.

perchloroethylene in dry cleaners with professional wet cleaning would decrease the hazardous waste generated but may increase water use.

Another important Pollution Prevention program in the United States is administered by the National Pollution Prevention Roundtable. The roundtable brings together representatives from many public and private agencies in the U.S. and has the following stated goals:<sup>227</sup>

- Exchange information.
- Influence the development of public policy.
- Promote education and awareness about Pollution Prevention programs.
- Foster constructive relationships with other organizations that have related missions.
- Support sustainable funding opportunities for pollution prevention

For the two-year period from 2010-2012, the National Pollution Prevention Roundtable summarized the successes of approximately 90 P2 programs in the U.S:

- \$5.4 billion in economic benefits.
- More than 8.9 billion pounds of pollution minimized or eliminated.
- Approximately 8.8 billion gallons of water conserved.
- Energy usage reduced by 1.4 billion kilowatts.
- More than 1.7 billion pounds of greenhouse gases not emitted.

It is likely that some of these reported benefits are duplicates of those reported by U.S. EPA, because U.S. EPA's P2 grants may have funded some of the projects summarized by the National Pollution Prevention Roundtable.

The National Pollution Prevention Roundtable also reported:<sup>228</sup>

- More than 29,999 attendees at P2 training events.
- More than 10,000 site visits.
- More than 240 environmental management systems developed.
- More than 350 P2 related suggestions implemented by more than 3,000 clients.

International pollution prevention efforts include the United Nations Environment Programme (UNEP), which has broad environmental goals. UNEP typically refers to pollution prevention in reference to pollution that directly impacts human health, such as poor air quality and contaminated food and water supplies. This is not the same as the definition in HSC Article 11.9, which focuses on source reduction. However, UNEP is

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<sup>227</sup> National Pollution Prevention Roundtable. "Goals and Objectives." [Website Link](#). Accessed 16 August 2022.

<sup>228</sup> National Pollution Prevention Roundtable. "P2 Results." [Website Link](#). Accessed 16 August 2022.

also working on many programs that are aligned with the HSC Article 11.9 definition of pollution prevention.

According to its 2030 agenda, UNEP is determined to protect the planet from degradation, including through sustainable consumption and production. UNEP ties its goals for environmentally sustainable development with other goals, such as the eradication of severe poverty and promoting peace and freedom. Humanitarian goals are tied to environmental goals because unstable societies and societies suffering from extreme poverty are unlikely to achieve sustainable development.<sup>229</sup>

UNEP has published a book – “Green Industrial Policy: Concept, Policies, Country Experiences” – that describes how policies and instruments can support environmentally friendly industries. Available on the UNEP website, the book’s primary focus is fighting climate change by improving energy efficiency or changing to renewable energy sources, rather than hazardous waste source reduction. However, there is discussion on promoting a circular economy<sup>230</sup>, including reuse or recycling of hazardous materials.

One example of hazardous material reduction cited in the book is China’s Yixing Economy and Technological Development Zone. This zone was established in 2006 to support the industrial development of green technologies. This development zone demonstrates how industries can use byproducts from unrelated industries that would otherwise become hazardous waste. For example, the electric industry uses liquid argon that is a byproduct of fertilizer production. Concrete and cement are produced with fly ash and gypsum that are byproducts of local coal burning.<sup>231</sup> The use of fly ash in concrete and cement is similar the DTSC Hazardous Waste Reduction Technology Demonstration Project, which was technologically successful but not cost competitive. The UNEP report does not specify whether the program from the Yixing Economy and Technological Development Zone is cost competitive compared to making concrete and cement without fly ash.<sup>232</sup>

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<sup>229</sup> United Nations, United Nations Environmental Program. “Transforming our world: the 2030 Agenda for Sustainable Development.” [Website Link](#). Accessed 16 August 2022.

<sup>230</sup> A circular economy is one in which wastes are re-used in the production process to make new goods instead of being disposed of.

<sup>231</sup> It is unknown whether the composition of the fly ash and gypsum used would have been considered hazardous waste in the United States, and therefore if their use in cement would have been considered use constituting disposal.

<sup>232</sup> Green Industrial Policy: Concept, Policy, Country Experiences. PAGE: Partnership for Action on Green Economy, 2017.

Many other countries have Pollution Prevention programs. Additional research in this area could be conducted, especially in consultation with representatives of these international programs.

#### 6.4 Pollution Prevention Successes and Challenges

Some of the greatest successes of Pollution Prevention programs occur when new technology is combined with new regulations. For example, perchloroethylene (Perc) was once the most common dry-cleaning solvent in the country as well as in California, but as of January 2023, it is no longer legally used in dry cleaning in the state.<sup>233</sup>

Perc presents both acute hazards – such as eye, skin, throat, and respiratory irritation – and chronic hazards – such as liver damage and, potentially, cancer.<sup>234</sup> The solvent poses an especially high risk to those working in the dry-cleaning industry. Perc used in dry cleaning is also identified as a RCRA listed hazardous waste when spent.

Perc is also frequently the cause of contamination in soil, groundwater, and indoor air, requiring dry-cleaning facilities to clean these contaminated media. A survey conducted by the State Coalition for the Remediation of Dry Cleaners estimates that 75 percent of dry-cleaning facilities in the United States have caused contamination. In California, there are approximately 7,500 known dry-cleaning facilities.<sup>235</sup> DTSC is currently evaluating dry-cleaning facilities located in vulnerable communities.<sup>236</sup>

In 2007, the California Air Resources Board (CARB) began a mandatory phaseout of the use of Perc in dry cleaners due to the harmful emissions they generate. That phaseout was due to be complete by 2023, with Perc no longer being used in dry cleaning in California. Dry cleaners have access to many alternative technologies, including professional wet cleaning, liquid carbon dioxide cleaning, or the use of hydrocarbon or silicon-based solvents, some of which have other environmental concerns.<sup>237</sup>

This CARB regulation is mandatory, but other state Pollution Prevention programs are working to achieve the same goal of phasing out Perc use on a voluntary basis. The

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<sup>233</sup> Cal. Code Regs., tit. 17 § 93109(h)(5)

<sup>234</sup> United States, Centers for Disease Control and Prevention, The National Institute for Occupational Safety and Health (NIOSH). “Tetrachloroethylene (Perchloroethylene).” [Website Link](#). Accessed 16 August 2022.

<sup>235</sup> The Cleanup in Vulnerable Communities Initiative includes more than \$152 million to fund investigation into potential contamination from California’s current or former dry cleaners, many of which are orphan sites [Website Link](#).

<sup>236</sup> California, Department of Toxic Substances Control. “About the Discovery and Enforcement Program.” [Website Link](#). Accessed 19 August 2022.

<sup>237</sup> Assessment of Alternatives to Perchloroethylene for the Dry Cleaning Industry. (2023, June). In Toxics Use Reduction Institute Methods and Policy Report No. 27.

State of Washington Department of Ecology has a product replacement program in which businesses can apply for up to \$40,000 to switch to professional wet cleaning or \$10,000 to switch to hydrocarbon cleaning. The program began in 2019 and, as of 2021, 50 of Washington's approximately 110 Perc dry cleaners had used the program to transition to alternatives.<sup>238</sup> The 45 percent reduction in dry cleaners using Perc is significant, especially in a two-year time frame; however, complete discontinuation of Perc use in Washington may be difficult to achieve on a purely voluntary basis.

The reduced use of Perc in Washington is an example of both the benefits and challenges of voluntary pollution prevention programs. Without the grant incentive to replace old equipment, it is likely fewer businesses would have changed to equipment that produces less hazardous waste. Even with grants, some business owners may not choose to replace their equipment. Reasons may include:

- the business owner not understanding how to apply for the grant or not wanting to expend the effort,
- the grant program covering only part of the cost of the new equipment, and
- The business owner not wanting to assume the risk of changing from current equipment/processes to new equipment/processes.

Voluntary pollution prevention programs appear to have the most success when government agencies collaborate with businesses. According to representatives of pollution prevention programs interviewed by DTSC, some of the best projects have been suggested by businesses. P2 groups also tend to have more success when they focus on efficiency and cost savings rather than on reducing hazardous waste. One example is paint spray efficiency training for auto body shops. Several national P2 programs have had success with them, because improving efficiency by reducing waste saves the shops money without requiring investment in new equipment.

Convincing businesses to voluntarily adopt new technologies remains a significant challenge. Even if a technology is proven to be successful, its benefits will be limited if it is only adopted by a few businesses. While the Washington Department of Ecology product replacement grant allows for businesses to replace old equipment, most grant programs do not. For example, U.S. EPA provides grants to develop new pollution prevention technology or to provide training, but once a technology is developed, it does not typically give grants to businesses for purchasing new equipment to utilize the technology. In some cases, businesses can save money in the long term by adopting pollution prevention technologies, but the time to achieve a return on investment may be too long to justify the equipment purchase. For some smaller hazardous waste

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<sup>238</sup> Washington, Department of Ecology State of Washington. "Ecology uses cash to convert dry cleaners to less toxic options." [Website Link](#). Accessed 19 August 2022.

generators, the upfront capital costs of new equipment are such a large financial burden that, even if the business owner were interested in waste reduction, purchasing new equipment would be impossible without grant assistance.

The challenges national Pollution Prevention programs are facing currently also impacted DTSC's P2 program. The efforts of the P2 program were entirely voluntary and DTSC had no regulatory authority to require change and no enforcement capacity. Though the P2 program had many successes, its voluntary nature limited its efficacy in reducing hazardous waste generation.

## 6.5 Considerations for Recommendations

Examining the past and future goals of pollution prevention is important to identifying considerations for recommended changes to the implementation of HSC Articles 11.8 and 11.9. The goals of DTSC's past Pollution Prevention program were:

- Reducing the generation of hazardous waste.
- Reducing the release into the environment of chemical contaminants that have adverse and serious health or environmental effects.
- Documenting hazardous waste management information and making that information available to state and local governments.

DTSC continues to have similar goals. To better achieve these goals, the following should be considered when developing recommendations for changes to HSC Articles 11.8 and 11.9:

- Past and future source reduction goals.
- Permitting issues surrounding the circular economy and recycling.
- Planning for growing waste streams.
- Future funding of the P2 grant program.
- Analysis of known waste reduction technologies.
- Collaboration with businesses to reduce barriers to P2 implementation.
- Creation of a P2 program under CalEPA.

These items are discussed further in the subsections below.

### 6.5.1 Past and Future Source Reduction Goals

In 2013, DTSC set a goal of reducing the amount of hazardous waste generated and disposed of in California by 50 percent by 2025.<sup>239</sup> However, attempting a large percentage reduction in the generation of hazardous waste through P2 may not be the

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<sup>239</sup> California, Department of Toxic Substances Control. "DTSC Issues Draft Decision on Kettleman Facility and Announces Initiative to Reduce Landfill Waste by 50 percent." [Website Link](#). Accessed 19 August 2022.

most effective way to protect human health and the environment. It may be more feasible to take a targeted and intentional approach.

The single largest category of hazardous waste generated in California by weight is Contaminated Soil from Site Cleanups (State Waste Code 611). As stated in section 2.1.6.1, this category made up one-quarter to one-half of all hazardous waste generated each year from January 2010 through May 2022.

Contaminated soil is also found at sites other than site cleanups. For example, one of the largest projects generating contaminated soil in 2021 was a wastewater treatment plant upgrade in San Francisco. Soil disturbed during the upgrade was determined to be contaminated with contaminants such as lead. The construction activities caused the soil to be excavated, thereby generating a soil that contained hazardous concentrations of contaminants that had to be properly managed.

Despite being the largest category of hazardous waste in California, reducing contaminated soil from site cleanups and construction projects is not a good candidate for Pollution Prevention programs. Contaminated soil is typically a result of poor management of hazardous waste or hazardous materials in the past (e.g., leakage, failure to properly dispose of hazardous wastes, or historical contamination of properties with hazardous constituents). Soils can also become contaminated through aerially deposited lead when vehicles used leaded gasoline or pesticides. Therefore, source reduction is not possible because the soil has already been contaminated. This makes achieving weight-based hazardous waste reduction goals difficult, because contaminated soil makes up the single largest category of hazardous waste by weight. In general, however, cleanup of contaminated sites is beneficial, because it helps minimize the risk of exposure to hazardous chemicals and allows the land to be restored to use. DTSC should not discourage removal of contaminated soil during a site cleanup if it is the best option for site remediation and for returning land to productive use.

The second and third largest categories of hazardous waste by weight, as designated by waste codes on manifests, are Waste Oil (State Waste Code 221) and Other Inorganic Solid Waste (State Waste Code 181). Each of these waste streams has different source reduction considerations. For example, the quantity of used oil generated may decrease in the coming years due to the anticipated increase in the percentage of electric vehicles, but this may also lead to an increase in lithium-ion (Li-Ion) battery waste. Reducing Other Inorganic Solid Waste may also present challenges because this broad category of waste may include wastes from site cleanups, such as concrete, rebar, and other construction debris. Removal of this waste from

contaminated sites will be necessary to restore land to productive use, as with contaminated soil removal, but it will not likely contribute significantly to source reduction goals.

Another significant source of waste are metal-bearing sludges. Under federal law, these wastes can be sent for metal recovery without being managed as hazardous wastes, but in California they must go to a permitted TSDF for recovery of those metals.

In contrast to these large categories, some industries generate a small amount of hazardous waste by weight. For example, incinerable waste made up approximately three percent of waste generated since 2010 (Figure 3.1-3). While changes to those industries would not necessarily result in large reductions in the quantity of hazardous waste generated, there can be disproportionate benefits. For example, because there are no commercial hazardous waste incinerators in California, reducing the generation of wastes that require incineration would be beneficial. The California Incinerable Waste Minimization Project showed a 50 percent reduction in incinerable waste generation in participating facilities between 1987 and 1992. If all current incinerable waste generators were to reduce their waste by 50 percent, it would result in a 1.5 percent reduction in California's overall hazardous waste generation, assuming previous waste totals match future trends. While small, this reduction would make California's hazardous waste management industry less reliant on out-of-state incineration facilities, which would also reduce the impacts of transporting waste out of state.

### 6.5.2 Permitting Issues Surrounding the Circular Economy and Recycling

In a traditional linear economy, products are used and become wastes that must be disposed of. In a circular economy, generators re-incorporate what would have been waste back into the production process to become products again. A circular economy minimizes the need for both raw materials and for waste disposal, which is especially



important for processes that produce hazardous waste. The differences between a linear economy and a circular economy are shown in Figure 6.5-2.

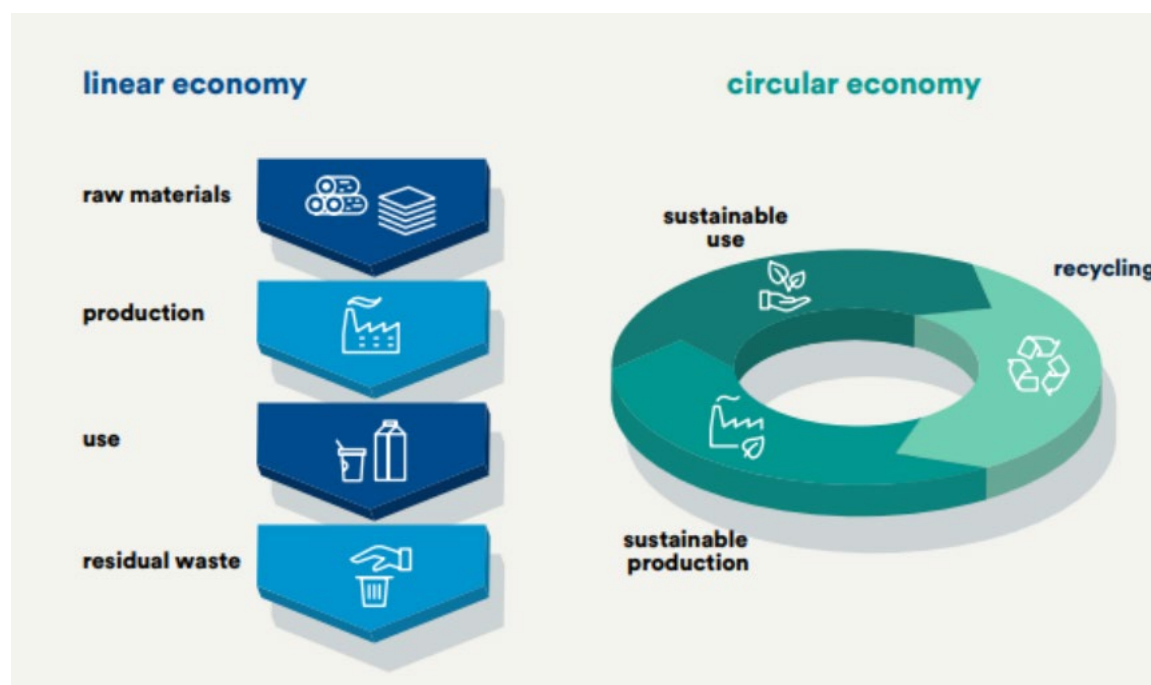


Figure 6.5-2: A model of a Linear Economy Compared to a Circular Economy <sup>240</sup>

The recycling of spent materials into products fosters a circular economy. To aid in pollution prevention, DTSC could support elements of the circular economy to a greater extent. Hazardous waste recycling is an important aspect of hazardous waste management when reducing the amount of hazardous waste generated is not feasible. However, unless there are enough recycling facilities, the economy is inherently linear.

New recycling facilities are needed in California to work toward a circular economy, especially because there are emerging waste streams generating increasing amounts of hazardous waste. For example, Li-Ion batteries are a waste stream that will likely increase in the future as the use of electric cars increases. Recycling Li-Ion batteries would reduce the amount of material sent to landfills. However, the permitting process for new recycling facilities is one of many significant challenges in California. All TSDFs in California must have a permit from DTSC to operate, including some facilities that recycle specific types of hazardous wastes through specific processes, such as smelting to recover metals from Li-Ion batteries. There are currently no voluntary<sup>241</sup> applicants for new hazardous waste permits. Since it was implemented in the 1980's,

<sup>240</sup> What Is Circular Economy, [Website Link](#).

<sup>241</sup> A voluntary applicant is a business that is applying to build a new hazardous waste management facility. This contrasts with applicants that own existing facilities that previously did not require a permit but are now required by DTSC to apply for a permit in order for the business is to remain in operation.

California's permitting process has discouraged the development of new TSDFs. Many TSDFs currently operating in the state existed before permitting requirements and received authorization through the newly established hazardous waste permitting process. The total number of TSDFs operating in California has declined since permit requirements were introduced.

Generally, time and cost are the primary concerns cited by industry. The time required to process an application for the renewal of an existing hazardous waste facility permit is approximately 2 years. It is unknown how long a new permit would take to process because no new permits have been received recently. The last new standardized permit application was received in 2014, but this was for the expansion of an existing facility. No new RCRA permit applications have been received in over 30 years. The last RCRA permit application for a new captive<sup>242</sup> facility was received in 1991, and the last RCRA permit application for a new commercial facility was received in 1986. The time required is likely discouraging business owners from applying for permits for new facilities. Delays cost applicants' money. For example, the applicant must own or lease the property at the time the permit application is submitted and, thus, must pay taxes and any other expenses to maintain the property throughout time the permit is being processed, despite receiving no revenue from the facility. Further, the direct cost to applicants for review of a permit application is estimated to be \$200,000 to \$500,000.

Applicants face other requirements in addition to applying for a new permit, including extensive community notification procedures. The Procedures for the Approval of New Facilities – required by HSC § 25199 (also called the Tanner Act) – require an applicant to notify members of the public in the surrounding area of their intent to build a TSDF. For example, notice is to be published in the local newspaper, publicly posted near the project, and mailed to homeowners of contiguous properties. The applicant must also pay the seven members of a local assessment committee that must be created to advise the local government as to what terms and conditions may be acceptable to the local community. These procedures are not required for the creation of a hazardous waste generator. TSDFs must also comply with California Environmental Quality Act (CEQA) requirements.

New requirements have recently been implemented for permitting new hazardous waste management facilities, such as more requirements related to evidence of financial responsibility and assurance, personnel training, consideration of past violations, and completion of a health risk assessment. In accordance with SB 673, additional requirements related to community vulnerability, health risks, and minimum setback

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<sup>242</sup> A captive facility is one that only processes waste produced by the company that owns the waste facility, compared to a commercial facility that accepts waste produced by other companies.

distances will also be mandatory in the future. For a business owner, these requirements represent a significant investment in both time and money.

These additional substantial regulatory requirements for new TSDFs make it difficult for a business owner to spend the time and money necessary to obtain approval for a new TSDF and still create an economically viable business. Furthermore, once submitted, approval of a permit application is not guaranteed. If its permit is not approved, the business will lose all the money and time it has spent on the permit application process.

While these requirements for permitted facilities are important to protect health and safety, they will likely continue to result in a reduction of hazardous waste management capacity in California in the future. Specifically, the lack of permitted hazardous waste recycling facilities in California present a challenge for California to manage its waste in-state. Hazardous waste recycling facilities are subject to the same permitting requirements because they often use high heat or chemical treatment and can have potentially harmful emissions if not managed appropriately; at the same time, legitimate recycling is key to a circular economy.

### 6.5.3 Planning for Future Waste Streams

DTSC's prior P2 program focused on existing industries generating hazardous waste. As such, the program did not, or was not able to, focus on future or anticipated waste streams. New waste streams may have many facets that could be explored for source reduction, recycling, and treatment. In contrast, existing, more developed waste streams may have already implemented relatively easy pollution prevention solutions. New waste streams also offer challenges that could be impediments to pollution prevention, such as rapidly changing technology. Solutions for waste streams like Li-Ion batteries will likely take time but could be an area of future analysis.

### 6.5.4 Reconsidering Funding of the P2 Grant Program

DTSC previously managed a grant program to encourage the development of new hazardous waste reduction, recycling, and treatment options. This grant program led to the successful demonstration of technologies, but it is no longer funded. As technology continues to evolve, there may be more opportunities for hazardous waste reduction, recycling, and treatment that did not exist at the time of the grant program. This is especially true for new technologies like Li-ion batteries.

DTSC may consider re-establishing a P2 grant program. There are existing successful grant programs at the state level, like the Toxic Use Reduction Institute in Massachusetts, that could serve as models for a future DTSC grant program. The Department may also consider making changes to the original DTSC grant program to

better encourage innovation. For example, the original program required the developer of any commercially successful technology to repay the grant and share a percentage of royalties with DTSC. This does not appear consistent with the way many other governmental P2 grant programs are administered, including the U.S. EPA program. Requiring developers of successful new technologies to repay the grants and pay royalties to DTSC may have served as a disincentive for innovation.

Another possible change to the grant program would be to widen the scope beyond technology demonstration. In some cases, technologies already exist to reduce hazardous waste generation, but businesses may lack the capital to implement them. Implementation of a grant program to replace old equipment could result in an immediate reduction of hazardous material use, as it did for the state of Washington's grant to replace dry cleaning machines that use Perc. In contrast, new technology demonstrations will only have an impact on hazardous waste generation if they are both successful and implemented by businesses.

#### 6.5.5 Analysis of Alternative Waste Reduction and Treatment Technologies

DTSC must ensure that alternative hazardous waste reduction technologies and waste treatment technologies are well understood and used appropriately. Treatment technologies and waste reduction technologies have been studied by many industries and for cleanup sites for many years. The Department must consider the applicability and limitations of those technologies before recommending testing for any industry and any cleanup site. Misconceptions and false expectations result from over-promising the potential efficacy of a treatment. Therefore, it is crucial to clearly define the potential tradeoffs involved in any waste reduction and treatment technologies where public funds are proposed to be used to test a technology.

DTSC has a decades-long history of investigating waste reduction and treatment technologies, and many other government agencies have also conducted research and published the findings of their studies. A primary source for research on alternative technologies is U.S. EPA's Clean-Up Information ([CLU-IN](#)) website. DTSC should continue to look to these internal and external resources to ensure new or alternative technologies are understood and used appropriately.

Many alternative technologies have been shown to be successful in specific circumstances but are not universally applicable. For example, the Community Protection and Hazardous Waste Reduction Initiative (CPHWRI) performed a bench scale study of soil washing for lead-contaminated soil taken from the area surrounding the former Exide Technologies battery recycling facility. The bench scale study investigated the effectiveness of soil washing for lead removal as an alternative to soil removal and off-site disposal. Soil washing has been shown to effectively remove metals from soil in specific situations and conditions.

Testing results showed that only the gravel portion of the soil was amendable to washing, and the gravel portion only comprised approximately 3 percent of the soil. Furthermore, soil washing was estimated to be at least 77 percent more expensive than removal and off-site disposal.<sup>243</sup> Additional studies could have analyzed various soil fractions and types of wash solutions, but there is no guarantee that any combination could have adequately removed the lead from the soil. In addition, the soils' composition and characteristics might vary across any given site laterally or vertically, which could further complicate any treatment approach used on a larger scale operation. Moreover, it is not clear whether the time needed to complete these tests and the increase in costs associated with treating the soil would justify any potential reduction in contaminated soil volume.

The limited funding available to consider alternative types of technologies necessitates the most effective use of that funding. Therefore, DTSC must complete a thorough analysis to ensure that alternative technologies chosen for testing have a defined purpose and have a reasonable expectation of success. These evaluations must be completed on a case-by-case basis so appropriate technologies are chosen.

#### 6.5.6 Collaboration with Businesses to Reduce Barriers to P2 Implementation

Another area of future research could be collaborating with businesses. For this report, the HWPlan Unit interviewed pollution prevention representatives from various state and private entities, including DTSC employees who were in the P2 program when it existed. In addition to interviews, the team also accessed public websites for information. Additional research could be conducted by interviewing hazardous waste generators and CUPAs regarding whether they have instituted any pollution prevention programs.

The California Green Business Network (Network) is an example of the kind of resource DTSC could partner with in assisting businesses with their P2 implementation. A non-profit organization, the Network provides technical assistance to businesses that are struggling to meet environmental goals. It also certifies businesses that comply with environmental regulations – not just for pollution prevention, but also for energy use, water use, and air quality. DTSC's future P2 efforts could utilize the California Green Business Network as an intermediary to help businesses achieve environmental goals.

DTSC could also conduct outreach to universities to determine or assess any research they may be conducting relevant to pollution prevention.

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<sup>243</sup> California, Department of Toxic Substances Control, "Community Protection and Hazardous Waste Reduction Initiative." (November 2017).

Many hazardous waste streams do not yet have commercially viable alternatives or, as mentioned previously, have alternatives that require capital investment in new equipment. DTSC could consider recommending changes to HSC Articles 11.8 and 11.9 to work with businesses to encourage the reduction of hazardous waste. If the grant program were re-funded, small businesses might be excellent candidates to apply for these grants to improve their own processes.

## 7. Analysis of the Use of Fees

Federal and state governments use credits, taxes, and fees to help fund services and influence economic activity. Fees have been commonly used as funding mechanisms for portions of hazardous waste management programs. Hazardous waste management fees can help reduce hazardous waste generation and/or help fund transitions between technologies. Nationally, few studies have looked at how hazardous waste fees have impacted waste generation since the 1990s.

A main challenge in this area of economic research has been finding historical data on past fee structures jurisdictions have used. Information included in this Report is limited, and additional research is needed to identify different ways to fund hazardous waste management programs as well as determine how fees can influence the generation of hazardous waste. There are many variables that can influence how a hazardous waste fee structure functions, including hazardous waste type, hazardous waste quantities, and individual state laws. Because of this, it is unclear whether a fee structure in one state would function the same way in another state. The information in this section focuses on the use of fees and the current fee structure in California.

### 7.1 History and Applications of Fees

Taxes and fees are both important components of waste management, though they serve different purposes. A tax has the primary purpose of raising revenue for state and local governments, whereas a fee recoups the cost of providing a service from someone who uses or benefits from that service.<sup>244</sup>

The use of fees to fund hazardous waste management programs was first proposed in the United States in the 1970s. The primary consideration in developing the first disposal fee was how to fund programs without making the fee so onerous that it led to increased illegal dumping. Another consideration was to create an incentive to reduce the volume of waste generated that required disposal. The philosophy that fees could be a useful tool to influence the behavior of hazardous waste generators gained influence in the 1980s. Later, the issue of whether disposal fees influence where wastes

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<sup>244</sup> Henchman, J. (2013) How Is the Money Used? Federal and State Cases Distinguishing Taxes and Fees, The Tax Foundation, Background Paper No. 63, March 2013 Website Link.

are disposed of – in-state vs out-of-state – became a consideration in structuring the disposal fee.<sup>245</sup>

During the 1980s, the number of legislative bills involving hazardous waste grew rapidly; there were at times more than 60 bills passed in a legislative session. Many of these laws provided separate funding mechanisms, some of which were based on the premise that those who benefit from a program or service should pay for it.<sup>246</sup>

Researchers have found it challenging to obtain information regarding the effect that fees have had on hazardous waste generation since these laws were passed. It has been difficult to find systematic data showing what hazardous waste generation fees specific states have imposed over time. Researchers have found some information regarding the impact of taxes on specific hazardous waste streams, but additional research is needed regarding fees.

Fees have also been used to try to influence where wastes are disposed of and to prevent or restrict the flow of hazardous waste into different jurisdictions. Two primary federal laws limit the extent to which states are allowed to regulate the movement of hazardous waste across state borders: the Commerce Clause of the U.S. Constitution and the “consistency rules” pursuant to RCRA.

The Commerce Clause states that “Congress shall have the power . . . to regulate commerce . . . among the several states,” which has been interpreted to mean that states cannot themselves tax or regulate interstate commerce without prior permission from Congress.<sup>247</sup> The clause was intended to prevent the balkanization of the states by making it illegal for states to erect trade barriers.<sup>248</sup>

The RCRA “consistency rules” require U.S. EPA regulations to be applied consistently nationwide. Specifically, they allow U.S. EPA to refuse a state RCRA authorization if the state engages in any of the following:

- Unreasonably restricts, impedes, or bans free movement of waste across state borders to authorized treatment, storage, or disposal facilities.
- Prohibits the treatment, storage, or disposal of hazardous waste, unless the prohibition is necessary to protect health or the environment.

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<sup>245</sup> “Report of the Task Force on Fee Reform for the Department of Toxic Substances.” California Environmental Protection Agency, 1997 (original document unavailable), excerpt from “Community Protection and Hazardous Waste Reduction Initiative, November 2017. [Website Link](#).

<sup>246</sup> “Report of the Task Force on Fee Reform for the Department of Toxic Substances.” California Environmental Protection Agency, 1997 from “Community Protection and Hazardous Waste Reduction Initiative, November 2017. [Website Link](#).

<sup>247</sup> Levinson, A (1999), “NIMBY taxes matter: the case of state hazardous waste disposal taxes,” *Journal of Public Economics* 74, 31–51

<sup>248</sup> California Department of Health Services, *California’s Exports and Imports of Hazardous Waste 1986 – 1988*, July 1990

- Fails to comply with the federal mandated “manifest” system for tracking the movement of hazardous waste.<sup>249</sup>

## 7.2 Fee Types

There are many variations in fee structures depending upon the specific goals of the fee. The following discussion focuses on two basic types of fees commonly used in hazardous waste management: the flat rate fee and the tiered rate fee.

States use hazardous waste fees to create an economic incentive for minimizing waste. A common consideration is whether a fee is front-end loaded or waste-end loaded. Front-end fees can be imposed at or near the beginning of the commercial chain of production of selected chemicals and substances, throughout the distribution network, and/or when it is used. Waste-end fees can be levied on the generation, transportation, storage, treatment, and/or disposal of wastes.<sup>250</sup>

### 7.2.1 Flat Rate Fees

One common type of fee applied to hazardous waste is the flat rate fee. A flat rate fee applies a fixed cost per unit. A fee may be imposed on the quantity of waste generated (e.g., large quantity generators and small quantity generators), land disposed, and off-site transportation.<sup>251</sup>

One example of a flat rate fee in California is the new Hazardous Waste Generation and Handling Fee.<sup>252</sup> California began this per-ton generation fee in 2022, which set the current Generation and Handling Fee at \$49.25 per ton.<sup>253</sup> This recent change in fee structure provides an opportunity to study the effect of the fee change on waste generation in the state.

Additional research is needed to determine in which circumstances flat rate fees can be most effectively used to influence the amount of hazardous waste generated in California. Some considerations should be made for specific waste streams, waste volumes, and how the reduction of hazardous waste will impact the revenue generated by the fees and the program or programs the fees fund.

### 7.2.2 Tiered Fees

Another common type of fee applied to hazardous waste is the tiered rate fee. A tiered rate fee scales fees based on the quantity of hazardous waste being managed (e.g.,

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<sup>249</sup> California Department of Health Services, California’s Exports and Imports of Hazardous Waste 1986 – 1988, July 1990

<sup>250</sup> CA Capacity Assurance Plan for Hazardous Waste Management-definitions, Economic Incentives, Taxes/Fees. October 17, 1989

<sup>251</sup> Missouri Department of Natural Resources: Hazardous Waste Fees, [Website Link](#).

<sup>252</sup> California Department of Toxic Substances Control (DTSC): Fee Structure, [Website Link](#)

<sup>253</sup> California Department of Tax and Fee Administration (CDFTA): Hazardous Waste Generator and Handling Fee, [Website Link](#).



generated, transported, or disposed of). In other words, fees can either increase or decrease depending on the amount of hazardous waste managed.

An example of a tiered structure is found in the state of Oregon. Its special hazardous waste management fee is \$20 per ton up to 2,500 tons, \$10 per ton between 2,500 and 12,500 tons, \$5 per ton between 12,500 and 25,000 tons, and \$2.50 per ton over 25,000 tons.<sup>254</sup>

A tiered approach can run counter to the polluter pays principle – the commonly accepted practice that those who produce pollution should bear the costs of managing it in order to prevent damage to human health or the environment<sup>255</sup> – as the largest hazardous waste generators pay less money per ton generated.

California applied a tiered fee structure to hazardous waste generation in the early to mid-1990's. The state discontinued this practice on January 1, 2022, when the Generation and Handling Fee replaced the tiered Generator Fee.

Additional research is needed to determine in what circumstances tiered rate fees can be most effectively used to influence the amount of hazardous waste generated. Some considerations should be made for specific waste streams, waste volumes, and how the reduction of hazardous waste will impact the revenue generated by the fees and the program or programs the fees fund.

### 7.3 Changes in California's Fee Structure

California made changes to its hazardous waste management fee structure in 2022, after the passage of Senate Bill 158. The intent of this fee reform was to establish a sustainable level of funding to enable DTSC to enforce hazardous waste laws, investigate and remediate contaminated sites, protect public health and the environment from toxic products, and respond to legislative mandates enacted through the budget process. Reform streamlined DTSC's complex fee system and revised the payment schedule to align payments with assessed fee rates on the fiscal calendar. The new fee structure eliminated several exemptions in order to support a more equitable and sustainable fee framework that supports the polluter pays principle. Reform ensured generators support DTSC's regulatory and clean-up activities by equitably distributing the cost of managing hazardous waste.

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<sup>254</sup> Oregon State, Hazardous Waste and Hazardous Materials, ORS 465.376, Special hazardous waste management fees, [Website Link](#).

<sup>255</sup> (LSE, 2022, What is the Polluter Pays Principle?) The London School of Economics and Political Science. Grantham Research Institute on Climate Change and the Environment. [Website Link](#).

DTSC revised the Hazardous Waste Facility Fee<sup>256</sup> to change from a calendar year schedule to a fiscal year schedule. As a result, these additional changes take effect July 1, 2023:

- All fee exemptions will be eliminated.
- The base rate will be set at \$94,910 (previously \$35,943), a rate that reflects a DTSC level of service that is responsible for covering costs, including the expected amount of money needed to regulate a permitted facility.<sup>257</sup>

Changes in California's hazardous waste generation fee structure now include a flat rate fee for hazardous waste generation. The new Hazardous Waste Generation and Handling Fee,<sup>258</sup> per California HSC § 25205.5.1, also:

- Replaces the Generator, Disposal, Manifest, and EPA ID fees.
- Retains fee exemption for small quantity generators (less than 5 tons per year).
- Eliminates exemption for used oil.
- Modifies fee rate and structure.
- Changes from tiered rate structure to per ton charge.
- Assesses fee on hazardous wastes generated in previous calendar year.

California's Environmental Fee<sup>259</sup> now includes the following:

- Exemption for small businesses (those with fewer than 100 employees)
- No rate increases for businesses with 100 – 500 employees.
- Rate increases on businesses with more than 500 employees.

The impacts of this restructuring on waste generation and other waste management decision-making will not be known for several years as hazardous waste generators and facilities adjust operations.

## 7.4 Research Opportunities

Implementation of the new fee structure may change behavior related to the generation and management of hazardous waste creates an opportunity for additional research. DTSC is monitoring revenues from the new fee structure to better understand what may incentivize hazardous waste generators. Generally, future fee structure research may include, but not be limited to, the following:

- The benefits of applying the “polluter pays” principle to fee structures.

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<sup>256</sup> California Department of Tax and Fee Administration: Hazardous Waste Facility Fee, [Website Link](#).

<sup>257</sup> DTSC's Annual Fee Summary: [Website Link](#).

<sup>258</sup> California Department of Tax and Fee Administration: Hazardous Waste Generation and Handling Fee, [Website Link](#).

<sup>259</sup> California Department of Tax and Fee Administration: Environmental Fee, [Website Link](#).

- Disincentivizing hazardous waste generation.
- Reflecting both the broad societal responsibility for legacy pollution and the broad benefit of reduced harm from chemical exposure.
- Supporting California's climate, equity, and circular economy goals.

One significant challenge will be to determine a method of measuring whether a reduction in waste generation is related to a change in the fee structure or some other factor.

In addition, SB 158's fee reform requirements do not consider several key factors related to waste streams – the composition or characteristics of the waste stream, the relative hazard posed by each waste stream, the entity generating the waste, or the reason(s) the waste is generated. This means, for example, that non-RCRA soil contaminated with naturally occurring heavy metals during an infrastructure project is charged the same fee rate as potentially more hazardous RCRA waste containing metals from a metal plating facility.

The broader spectrum of hazardous waste captured under California's hazardous waste program relative to the federal program means that there are significant variations in the relative hazard of the various waste streams. Future research may include assessing different fees on different types of hazardous waste, for example, RCRA wastes vs. non-RCRA wastes.

Future research into how different fee structures may influence waste management should also incorporate information from this Report, such as current and future waste streams, hazardous waste facility siting issues, and what is needed to support a circular economy in California.

## 7.5 Discussion

Taxes and fees are both important components of waste management and have been used as funding mechanisms for portions of hazardous waste management programs. Hazardous waste management fees might help reduce hazardous waste generation and/or help fund transitions to new technologies. California's new fee structure uses a flat rate, per-ton generation and handling fee assessed on hazardous wastes generated in the previous calendar year. The new fee structure is intended to ensure hazardous waste generators, or "polluters," contribute equitably and was intended to influence the reduction of their hazardous waste generation.<sup>260</sup> It may take years to see any impacts of these changes. Further, it may be appropriate in the future to give additional consideration to the composition or characteristics of waste streams, the relative hazard

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<sup>260</sup> California Department of Toxic Substances Control (DTSC): Fee Structure, [Website Link](https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202120220SB158)  
[https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill\\_id=202120220SB158](https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202120220SB158)

posed by each waste stream, the entity generating the waste, and/or reason the waste is generated.

Revenue received from generators through the Hazardous Waste Generation and Handling Fee provides funding to DTSC's current Hazardous Waste Management Program (HWMP); however, HWMP's budget does not include funds for a waste reduction program. Furthermore, if a waste reduction program is created and its funding is attached to the fee, its funding will decrease as hazardous waste generation decreases.

Another significant issue to consider is how Hazardous Waste Generation and Handling Fees are collected and how often generators are audited. A generator records on the hazardous waste manifest the quantity of hazardous waste it generates. Information from each manifest is entered into the U.S. EPA's tracking database (RCRAInfo) every day, and DSC then downloads that information into DTSC's Hazardous Waste Tracking System (HWTS). However, the fee amount is not determined based on the quantity reported in HWTS rather it's based on the quantity of waste a generator reports to the California Department of Tax and Fee Administration (CDTFA). Generator fee collection is administered by CDTFA, not DTSC and CDTFA also has enforcement authority. In a process separate from DTSC's, hazardous waste generators report the quantity of waste generated to CDTFA. CDTFA conducts audits on a small percentage of the reported generators to determine whether they are reporting the same number to DTSC's HWTS and to CDTFA. This introduces a potential for misreporting and errors in the amount of fees actually collected compared to what should be collected. DTSC and its HWMP funding come from the Generation and Handling Fee, so reductions in fees and errors in collection reduce funding to the program.

## 8. Analysis of Hazardous Waste Criteria

A key element in DTSC's Hazardous Waste Management Program (HWMP) is the identification of hazardous wastes. It is important to accurately identify those wastes so that they are handled in a manner that protects human health and the environment.

California Health and Safety Code (HSC) section (§) 25135(b)(5) requires that DTSC analyze the criteria used to identify wastes as hazardous waste under state law. As such, DTSC will conduct an analysis of the following three components specified in HSC § 25135(b)(5) pertaining to current hazardous waste identification criteria:

1. An assessment of the extent to which the criteria that result in wastes being regulated as hazardous waste in California, as opposed to under the federal act, provide additional safeguards that are necessary to protect public health and the environment in the state.
2. An assessment of the existing hazardous waste identification criteria and the extent to which they reflect current science, technology, or analytical methods.
3. An assessment of additional contaminants, chemical constituents, or hazard characteristics or traits that are not currently included in the hazardous waste identification criteria, and the additional public health or environmental protections that could be achieved if they were to be added to the identification criteria.

The information included in this section describes the approach that will be used to assess the three components listed above.

### 8.1 Defining Hazardous Waste Identification Criteria

Under Subtitle C of the Resource Conservation and Recovery Act (RCRA), the United States Environmental Protection Agency (U.S. EPA) defines hazardous waste using two processes: by listing certain wastes as hazardous (i.e., waste from certain industrial processes or sources), and by identifying characteristics (i.e., physical or chemical properties) that make a waste hazardous. These wastes are termed "listed hazardous wastes" and "characteristic hazardous wastes".<sup>261</sup>

California's hazardous waste criteria were in place before U.S. EPA established the federal system for identifying hazardous waste. When California was in the process of

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<sup>261</sup> 45 FR 33085 (May 19, 1980)

obtaining authorization from U.S. EPA to implement the federal program, the state maintained its pre-existing hazardous waste criteria while also adopting the federal criteria. California's hazardous waste criteria are "more stringent and broader in scope" than the federal criteria.

The federal hazardous waste criteria have been adopted into California's regulations. Federal waste classification regulations are found in Title 40, Code of Federal Regulations, (40 CFR). California's hazardous waste classification laws are outlined in HSC Division 20, Chapter 6.5. Regulations adopted to implement the HSC are found in California Code of Regulations (Cal. Code Regs.), division 4.5, title 22 (tit. 22).

Some of the primary differences between the federal program and California's program include:

- Hazardous waste criteria.
- Hazardous wastes that are excluded from statute and regulation.
- Hazardous wastes that are exempt from statute and regulation.

California identifies more waste as hazardous than U.S. EPA because California's hazardous waste program is broader and more stringent than the federal program. Further, the federal program includes certain exclusions and exemptions that California has chosen not to adopt.

These differences drive which wastes are identified as hazardous and how those wastes are required to be managed in California. The following information provides a summary of the current hazardous waste identification criteria in California.

### 8.1.1 Listed Waste

Listed hazardous wastes are included in Cal. Code Regs. Tit. 22, chapter 11, [Article 4](#), and [Article 4.1](#). Those listed in Article 4 are RCRA listed and the mercury listings in Article 4.1 are those that California has listed. Both U.S. EPA and California made these lists of specific waste streams or chemicals that were known from experience to present a threat to human health or the environment when disposed of. Examples of listed waste types include wastes from various industrial processes, wastes from specific sectors of industry, or wastes in the form of specific chemicals.

U.S. EPA “listed” certain wastes because they were found to pose a substantial present or potential threat to human health and the environment.<sup>262</sup> If a waste poses enough of a hazard, U.S. EPA includes a precise description of that waste in one of the four lists of hazardous waste in the federal regulations. U.S. EPA will “list” a waste as hazardous if the waste exhibits one of the four characteristics of hazardous wastes (ignitability, corrosivity, reactivity, or toxicity); be acutely hazardous (fatal to human or animals at low doses); or contain constituents that are capable of posing a “substantial present or potential hazard to human health or the environment when improperly treated, stored, transported or disposed of.” Typically, generators can determine whether their waste is considered listed based on how the waste was generated. While laboratory analysis is sometimes needed, analytical testing alone will not produce enough information to conclusively determine whether the waste is “listed”.

California recognizes five hazardous waste lists (four U.S. EPA lists and one California-only list):

- **F – Code Wastes** (F001-F039): Hazardous waste from non-specific sources (e.g., spent solvents)<sup>263</sup>
- **K – Code Wastes** (K001-K148): Hazardous waste from specific sources (e.g., wastewater sludge from the production of creosote)<sup>264</sup>
- **P – Code wastes** (P001-P205): Acutely hazardous commercial chemical products and off- specification species, container, and spill residues (e.g., pesticides)<sup>265</sup>
- **U – Code wastes** (U001-U248): Discarded commercial chemical products and off-specification species, container, and spill residues (e.g., acetone)<sup>266</sup>
- **M – Code Wastes** (California M001-M004): Discarded mercury-containing products<sup>267</sup>

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<sup>262</sup> U.S. EPA. Introduction to Hazardous Waste Identification (40 CFR Parts 261). Solid Waste and Emergency Response (5305W) EPA530-K-05-012. Available at: [Website Link](#)

<sup>263</sup> Cal. Code Regs. tit. 22, § 66261.31. Hazardous Wastes from Non-Specific Sources. Available at: [Website Link](#)

<sup>264</sup> Cal. Code Regs. tit. 22, § 66261.32. Hazardous Wastes from Specific Sources. NOTE: Available at: [Website Link](#)

<sup>265</sup> Cal. Code Regs. tit. 22, § 66261.33. Discarded Commercial Chemical Products, Off-Specification Species, Container Residues, and Spill Residues Thereof. Available at: [Website Link](#)

<sup>266</sup> Cal. Code Regs. tit. 22, § 66261.33. Discarded Commercial Chemical Products, Off-Specification Species, Container Residues, and Spill Residues Thereof. Available at: [Website Link](#)

<sup>267</sup> Cal. Code Regs. tit. 22, § 66261.50. Mercury-Containing Products That Are Hazardous Wastes When Discarded. Available at: [Website Link](#)

The F, K, P, and U lists are federal RCRA lists. California has created the M list for certain types of mercury-containing wastes.<sup>268</sup>

### 8.1.2 Characteristic Waste

Characteristic hazardous wastes are wastes that exhibit any one of four characteristics: ignitability, corrosivity, reactivity, and toxicity. A determination can be made if a waste exhibits a characteristic by analyzing a sample of the waste or using knowledge of the waste properties. The regulations explaining these characteristics and the test methods to be used in detecting their presence are found in federal regulations at 40 CFR [Part 261](#)<sup>269</sup> and California regulations (Cal. Code Regs, tit. 22, chapter 11, [Article 3](#), and relevant appendices).<sup>270</sup>

As a RCRA authorized state, and as noted above, California can impose criteria for identifying hazardous waste characteristics that are both broader in scope and more stringent than RCRA criteria. The federal and state criteria for the characteristics of ignitability and reactivity are almost identical.<sup>271</sup> California's criteria for the corrosivity characteristic are slightly broader in scope than the federal criteria, and California's criteria for the characteristic of toxicity are both more stringent and broader in scope than the federal criteria. These significant differences have led to much more waste being identified as hazardous in California than in the federal hazardous waste program.

Some of the primary differences in the criteria for hazardous waste characteristics include:

- Federal criteria for the characteristic of corrosivity covers only corrosive liquid wastes, whereas California criteria includes both corrosive liquids and solid wastes.
- The federal Toxicity Characteristic Leaching Procedure (TCLP) is a leachability test used to identify wastes that meet the federal criteria for the characteristic of toxicity. California uses both the TCLP and its own leachability test, the Waste Extraction Test ([WET](#)), to identify whether certain organic and inorganic wastes are toxic. The TCLP and WET methods both use laboratory simulations to reflect how chemicals may behave in a landfill setting but the WET method is

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<sup>268</sup> California adopted a hazardous waste listing in 2003, separate from the RCRA listed hazardous waste, and identified it as [California M-Listed Waste](#).

<sup>269</sup> A waste that is identified as a hazardous waste pursuant to one or more of the characteristics set forth in federal regulatory sections (40 CFR § 261.21 through § 261.24)

<sup>270</sup> A waste that is identified as a hazardous waste pursuant to one or more of the characteristics set forth in state of California regulations (Cal. Code Regs., tit.22, § 66261.21 to § 66261.24) and relevant appendices.

<sup>271</sup> There are currently some differences in the laboratory methods. See Appendix D for additional information.



considered more stringent than the TCLP. For example, the WET includes a longer extraction time (48 hours for the WET vs. 18 hours for the TCLP) and uses a more aggressive acid extractant (citric acid for the WET and acetic acid for the TCLP).

- The federal TCLP identifies eight metals and 32 organic compounds. California includes those TCLP constituents and uses the WET to identify an additional 12 inorganic constituents and 18 organic compounds. For example, California regulates nine metals as potentially toxic – antimony, beryllium, cobalt, copper, molybdenum, nickel, thallium, vanadium, and zinc.
- U.S. EPA does not regulate wastes based on the total concentration of toxic constituents in the waste, but California does. The Department established Total Threshold Limit Concentration (TTLC) values to consider the potential impact that might result from improper disposal of particulate toxic wastes.<sup>272</sup>
- U.S. EPA only has one element to its toxicity characteristic – the TCLP – whereas California has an additional eight. California’s toxicity criteria include two leaching tests (TCLP and WET); total digestion test; acute dermal, acute oral, acute inhalation; acute aquatic bioassay test, a list of carcinogens; and department-imposed criterion. A waste is considered toxic if it meets any one of these toxicity criteria.

One result of the additional toxicity criteria is that certain wastes are identified as hazardous that one would not ordinarily perceive to be “hazardous.” For instance, products like soaps, lotions, and shampoos, commonly require management as hazardous waste in California because many fail the aquatic bioassay test.<sup>273</sup> A 2017 Retail Waste Working Group report, indicated that about 30% of hazardous waste generated in California is non-RCRA hazardous waste that could fail the Aquatic Toxicity Test.<sup>274</sup> This highlights the importance of reviewing the Aquatic Toxicity Test to determine if the test effectively identifies hazardous waste streams. As part of the reconsideration of hazardous waste classification, the DTSC plans to review whether these wastes can safely be managed by alternative methods rather than disposing of these wastes into hazardous waste landfills.

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<sup>272</sup> Department of Toxic Substances Control-Final Statement of Reasons (FSOR) for Proposed Regulations, “Criteria for Identification of Hazardous and Extremely Hazardous Wastes,” pg. 98, 1984. R-45-78

<sup>273</sup> Some specific products that have been identified as hazardous waste include, include but are not limited to, the following: Nature’s Way Ginger supplement, Palmolive Ultra PureUltra-Pure and Clear, Lysol Toilet Bowl Cleaner, Dr. Bonners Magic Soaps Peppermint Pure Castile Soap, Aveeno Baby Wash and Shampoo, and Banana Boat Sport Sunscreen. Retail Waste Working Group (RWWG). 2017. Surplus Household Consumer Products and Wastes Report to the Legislature. Available at: [Website Link](#)

<sup>274</sup> Retail Waste Working Group (RWWG). 2017. Surplus Household Consumer Products and Wastes Report to the Legislature. Available at: [Website Link](#)

Another example is the additional nine metals regulated by California that are not regulated federally. The underlying research that provides basis for the rationale to regulate these metals is from the 1950's, 1960's, 1970's, and 1980's and will be reviewed to determine if more recent information is available. The toxicity criteria for selecting these metals along with a summarized rationale to regulate them are shown in Table 8.1.2-1.

Table 8.1.2-1 Rationale for Toxicity Characteristics of Additional Metals in California<sup>275</sup>

Contaminant	Toxicity	Summary of Rationale
Antimony	<ul style="list-style-type: none"> <li>• Oral Toxicity (LD<sub>50</sub>)</li> <li>• Inhalation Toxicity (LC<sub>50</sub>)</li> <li>• Aquatic Bioassay (96-hour LC<sub>50</sub>)</li> </ul>	Inhalation of antimony has been shown in industrial settings to lead to respiratory tract irritation and long-term lung diseases in humans. Ingestion of antimony can cause significant illness and death in humans and other animals. Antimony has also been shown to be lethal to fish and concentrates in some forms of marine life.
Beryllium	<ul style="list-style-type: none"> <li>• Inhalation Toxicity (LC<sub>50</sub>)</li> <li>• Aquatic Toxicity (96-hour LC<sub>50</sub>)</li> </ul>	Inhalation of beryllium has been shown to cause lung diseases and an increased risk of lung cancer. Additionally, it is lethal to fish and concentrates in marine life.
Cobalt	<ul style="list-style-type: none"> <li>• Oral Toxicity (LD<sub>50</sub>)</li> <li>• Aquatic Toxicity (96-hour LC<sub>50</sub>)</li> </ul>	Ingestion of cobalt has been shown to impact growth, appetite, and cause death in some animals. Cobalt has been shown to cause death in some marine organisms including some fish.
Copper	<ul style="list-style-type: none"> <li>• Oral Toxicity (LD<sub>50</sub>)</li> <li>• Aquatic Toxicity (96-hour LC<sub>50</sub>)</li> </ul>	Ingestion of copper has been shown to cause illness and impact reproduction in some animals. In addition, copper has been shown to be lethal to fish.
Molybdenum	<ul style="list-style-type: none"> <li>• Oral Toxicity (LD<sub>50</sub>)</li> <li>• Aquatic Toxicity (96-hour LC<sub>50</sub>)</li> </ul>	Ingestion of molybdenum has been shown to lead to impacts such as reduced rate of growth in some animals. Additionally, molybdenum is considered less toxic than many toxic metals but has been shown to have some toxicity to aquatic life.

<sup>275</sup> Department of Toxic Substances Control-Final Statement of Reasons (FSOR) for Proposed Regulations, "Criteria for Identification of Hazardous and Extremely Hazardous Wastes," Section D – Inorganic Persistent and Bioaccumulative Substances, R-45-78

Contaminant	Toxicity	Summary of Rationale
Nickel	<ul style="list-style-type: none"> <li>Inhalation Toxicity (LC<sub>50</sub>)</li> <li>Aquatic Toxicity (96-hour LC<sub>50</sub>)</li> </ul>	Inhalation of nickel has been shown to lead to illness in humans such as sinus inflammation, ulcers, lung irritation, emphysema, and respiratory cancer. Nickel has also been shown to be lethal to some fish.
Thallium	<ul style="list-style-type: none"> <li>Oral Toxicity (LD<sub>50</sub>)</li> <li>Inhalation (LC<sub>50</sub>)</li> <li>Aquatic Bioassay (96-hour LC<sub>50</sub>)</li> </ul>	Ingestion of thallium has been shown to be extremely fatal to humans and animals. Inhalation has also occurred in industrial settings that has led to illness or poisoning. In addition, thallium has been reported to be toxic to some fish.
Vanadium	<ul style="list-style-type: none"> <li>Oral (LD<sub>50</sub>)</li> <li>Inhalation (LC<sub>50</sub>)</li> <li>Aquatic Bioassay (96-hour LC<sub>50</sub>)</li> </ul>	Ingestion of vanadium has been shown to depress growth other health impacts to some animals. Ingestion or inhalation of airborne vanadium in industrial settings has been shown to cause illness in humans. Moreover, vanadium has been shown to be toxic to some marine life.
Zinc	<ul style="list-style-type: none"> <li>Aquatic Bioassay (96-hour LC<sub>50</sub>)</li> </ul>	Zinc has been shown to be toxic to fish in certain conditions.

One of the predominant reasons the Department identified these nine metals as hazardous was due to their aquatic toxicity. For example, zinc is one of the metals that DTSC regulates solely due to aquatic toxicity.

Some of the nine metals identified above occur naturally in soil. When projects are undertaken that require soils be excavated, for example, to build bridges, lay electrical lines, or to build an underground garage, if the soils contain metals that exceed DTSC's regulatory thresholds, they may be required to be managed as hazardous waste.

### 8.1.3 Exclusions and Exemptions

Generally, a hazardous waste exclusion means a material either is not a waste, or is a waste that is not a hazardous waste, depending on the type of exclusion. A waste could also be excluded from classification as a waste if it is recycled in a particular manner. A waste that is excluded from classification may still be subject to certain regulatory requirements. U.S. EPA identifies 44 exclusions but California only adopted eight exclusions into its regulations. For example, U.S. EPA conditionally excludes as solid and hazardous wastes hazardous secondary materials used to make zinc fertilizers.

California did not adopt this exclusion and would therefore regulate these wastes as non-RCRA wastes.

Wastes that are exempted typically means that the waste is identified as a hazardous waste but is exempt from certain regulatory requirements.

DTSC should review U.S. EPA's exclusions and exemptions to determine which ones might be adopted to foster additional recycling in California.

## 8.2 Hazardous Waste Criteria Evaluation Process

Assessing California's hazardous waste criteria demands thorough review and in-depth research of rulemaking packages, current scientific literature, reports and databases. As such, this effort will utilize multiple programs internal to DTSC, internal to CalEPA, and external to state agencies. These programs may include, but not be limited to, the following:

- DTSC Hazardous Waste Management Plan Unit (HWPlan Unit)
- DTSC Waste Evaluation and Recycling Unit (WERU)
- DTSC Environmental Chemistry Lab (ECL)
- DTSC Human and Ecological Risk Office (HERO)
- DTSC Safer Consumer Products (SCP)
- Department of Pesticide Regulation (DPR)
- Office of Environmental Health Hazard Assessment (OEHHA)
- State Water Resources Control Board
- Department of Resources Recycling and Recovery (CalRecycle)

The Waste Evaluation and Recycling Unit (WERU), within the HWMP Office of Policy , will lead the evaluation of each potential change in criteria and will coordinate with other groups as needed.<sup>276</sup> WERU will also provide scientific technical analysis; review of historical legislation, statutes, and regulations; and hazardous waste criteria expertise. The HWPlan Unit will provide additional scientific and engineering technical analysis, historical regulatory review, and coordination with the Board of Environmental Safety.

The first step in the analysis of hazardous waste criteria is to compare federal and state criteria. This comparison will feed information into the three components DTSC is analyzing under HSC §25135(b)(5):

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<sup>276</sup> Beginning in FY2022-23, DTSC was funded to reestablish a Waste Classification Unit to evaluate the existing California hazardous waste criteria, recommend modifications to those criteria, assist in the adoption of any approved recommendations, and provide waste classification determination and recycling exclusion interpretations and technical support.

1. The extent to which California's additional criteria provide additional safeguards necessary to protect public health and the environment.
2. The extent to which existing criteria reflect current science, technology, or analytical methods.
3. An assessment of the additional public health or environmental protections that could be achieved by including additional contaminants, chemical constituents, or hazard characteristics or traits in California's hazardous waste identification criteria.

The most significant differences between the federal and state criteria relate to the characteristics of hazardous waste and differences between federal and state exclusions and exemptions. As such, the comparison of federal and state hazardous waste criteria will be conducted in the following order of priority:

1. Comparison of federal and state characteristic criteria
2. Comparison of federal and state exemptions and exclusions

Identifying these differences between federal and state criteria provides initial information for two of the three components DTSC is analyzing under HSC §25135(b)(5) (detailed below in 8.3.1, 8.3.2, and 8.3.3), and may help inform analysis of the third component. Therefore, a starting point in the analysis was to compare the federal hazardous waste characteristic criteria found in 40 CFR part 261, subpart C, with the state hazardous waste characteristic criteria found in Cal. Code Regs., tit. 22, ch. 11, article 3. Summary tables and descriptions of the differences for each characteristic – ignitability, corrosivity, reactivity, and toxicity – are included in Appendix D of this section.

A description of the approach taken in analyzing each of the three components is described in detail in Section 8.3.

### 8.3 Component Analysis:

California Health and Safety Code (HSC) §25135(b)(5) identifies three main components for analysis of hazardous waste criteria. Therefore, strategies were developed to analyze each component. An overview of the approach for each component is described below.

#### 8.3.1 Component HSC §25135(b)(5)(B):

*An assessment of the extent to which the criteria that result in wastes being regulated as hazardous waste in California, as opposed to under the federal act,*

*provide additional safeguards that are necessary to protect public health and the environment in the state.*

In order to assess the extent to which California's hazardous waste criteria cause wastes to be regulated as hazardous as opposed to under the federal act, the state and federal criteria must be compared. This comparison is included in Appendix D.

When the differences are identified, a determination is made as to how California's criteria provide additional safeguards necessary to protect public health and the environment. To do this, DTSC will research the historical statutory and regulatory basis for hazardous waste criteria. The HWMP team will review federal and state rulemaking decision documents, such as Federal Registers, Initial Statement of Reasons (ISOR), Final Statement of Reasons (FSOR), and other relevant documents.

Once the historical and/or technical reasons for the differences are analyzed, the additional safeguards intended to be provided by the California criteria can be identified and evaluated to determine whether any changes should be made.

### 8.3.2 Component HSC §25135(b)(5)(C):

*An assessment of the existing hazardous waste identification criteria and the extent to which they reflect current science, technology, or analytical methods.*

To determine whether existing hazardous waste identification criteria reflect current science, technology, or analytical methods, DTSC will review laboratory testing methods and if the past rationale for the current criteria reflect current science and technology.

Initial research into analytical methods indicate that U.S. EPA has adopted, modified, or discontinued numerous laboratory methods for hazardous waste testing since the beginning of the RCRA program; however, DTSC conducted its last comprehensive analytical method update in 1996.<sup>277 278</sup> While some individual analytical methods (e.g., pH and flashpoint) have been modified as recently as 2004,<sup>279</sup> DTSC has not updated all of its laboratory methods to be consistent with federal methods. This indicates that some laboratory methods may not reflect current science or analytical methods. Additional work in this area will be necessary to determine which laboratory methodologies are out of date, and recommendations will be made to adopt the federal methods where appropriate.

There are three laboratory tests available to determine whether a waste displays the toxicity characteristic for both its inorganic and organic components. These tests include

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<sup>277</sup> [U.S. EPA Status Tables for SW-846, Third Addition, Revised May 2020](#)

<sup>278</sup> Cal. Code Regs. tit. 22, § 66260.11 (a)(33)

<sup>279</sup> Cal. Code Regs. tit. 22, § 66260.11 (a)(51-61)

the TCLP, the WET, and a total nitric acid digestion test that can be performed to determine the total concentration of a particular constituent in the waste. For a given waste, the results of these tests are compared to their respective regulatory thresholds, the TCLP levels, the STLCs, and TTLCs.

The federal TCLP was designed to model a theoretical mismanagement scenario in which a waste is placed in an unlined landfill that contains municipal solid waste. An acetic acid solution was selected for use as the extractant fluid because it is a common organic acid observed in landfills.<sup>280</sup> U.S. EPA set numerical limits for this test method that would ensure the groundwater under a landfill does not pose a threat to human health and the environment. Similarly, California's WET was designed to show, through laboratory simulations, how hazardous constituents could potentially mobilize in a landfill setting. Citric acid was selected for use.<sup>281</sup>

California established the associated STLC limits based on the potential for soluble substances from improperly disposed wastes to migrate via surface or groundwater to sensitive aquifer systems such as drinking water supplies or aquatic wildlife environments. Additionally, since the STLCs were established to protect water supplies, it was determined appropriate to use drinking water standards to set the regulatory limits.

The STLC values were primarily determined by multiplying drinking water standards by an attenuation factor of 100.<sup>282</sup> The rationale was that, if a waste has the ability to generate a leachate that contains a substance at a concentration greater than 100 times its drinking water standard, and if the substance is diluted by no more than 100 times before contaminating a drinking water supply, the drinking water would surpass the drinking water standards. Thus, if the soluble concentration of a constituent exceeded a certain regulatory limit (STLC) the waste could pose a potential hazard if not disposed in a secure landfill.<sup>280</sup>

The term "secure landfill" is not defined in current statute or regulations or in the FSOR. A discussion of the implications of this lack of a definition follows in 8.4.

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<sup>280</sup> Department of Toxic Substances Control-Final Statement of Reasons (FSOR) for Proposed Regulations, "Criteria for Identification of Hazardous and Extremely Hazardous Wastes," pg. 114, 1978. R-45-78

<sup>281</sup> Department of Toxic Substances Control-Final Statement of Reasons (FSOR) for Proposed Regulations, "Criteria for Identification of Hazardous and Extremely Hazardous Wastes," pg. 118, 1978. R-45-78

<sup>282</sup> Department of Toxic Substances Control-Final Statement of Reasons (FSOR) for Proposed Regulations, "Criteria for Identification of Hazardous and Extremely Hazardous Wastes," pg. 89-90, 1978. R-45-78

### 8.3.3 Component HSC §25135(b)(5)(C):

*An assessment of additional contaminants, chemical constituents, or hazard characteristics or traits that are not currently included in the hazardous waste identification criteria, and the additional public health or environmental protections that could be achieved if they were to be added to the identification criteria.*

The assessment of this component is intended to better understand the nature of Contaminants of Emerging Concern (CECs) and their characteristics or traits that when identified in wastes, may pose risks to human health and the environment. This assessment will include consultation with other groups, such as those identified in Section 8.2. These groups have expertise regarding emerging chemical constituents that may need to be evaluated in the future. Internal and external collaboration will assist DTSC in identifying needed changes based on CECs. Further discussion regarding CECs is included in Appendix E.

### 8.4 Next Steps:

DTSC's WERU and HWPlan unit have begun consulting with the department's Environmental Chemistry Laboratory to determine an appropriate strategy for updating test methods where necessary. Based on preliminary research to date, the following aspects of hazardous waste identification criteria should be considered for review:

- Numerous assumptions used to set the TTLCs and STLCs were based on historical management of wastes and identification of damage incidents related to waste management before hazardous waste management programs had been established. Therefore, assumptions related to the WET method and associated STLCs should be carefully and rigorously evaluated to ensure that these assessments reflect current hazardous waste management practices. These include, but are not limited to, assumptions related to the drinking water standards, the attenuation factor used to establish the STLCs, and the individual components of the test method itself, including the type of extractant acid and the length of time the waste is exposed to that acid.
- The establishment of the current STLCs was dependent on assumptions related to the type and conditions of the landfill where a particular waste would be disposed of. The term "secure landfill" is used in the FSOR but was not defined in the FSOR document, statute, or regulations at the time of adoption. It is unclear what was considered a "secure landfill" when the WET method and associated STLCs were being developed. Any further evaluation of STLCs should include an investigation of what was considered a "secure landfill" at the time and a comparison between that type of landfill and current design and construction



standards for all types of landfills (e.g., municipal, construction and debris and hazardous waste).

- The review and evaluation of the associated safeguards pertaining to the current hazardous waste identification criteria to ensure that public health and the environment are protected.
- The evaluation of Contaminants of Emerging Concern to determine if it's necessary to add to these contaminants to current hazardous waste identification criteria for additional public and environment protection. Background and considerations for Contaminants of Emerging Concern are provided in Appendix E.

## 9. Conclusion and Future Work

Future planning efforts will provide the opportunity to identify hazardous waste management strategies that maximize the potential for waste reduction and recycling while ensuring protection of public health and the environment. To accomplish this, DTSC has identified four primary areas for future work based on consideration of public input and statutory requirements:

- Hazardous Waste Criteria
- Waste Reduction
- Capacity Assurance
- Environmental Justice

### 9.1 Hazardous Waste Criteria

DTSC will evaluate California's current hazardous waste criteria to determine whether they are consistent with current science and technology. This review is a significant effort that will require additional research and collaboration with other internal programs and external agencies like the Office of Environmental Health Hazard Assessment. Evaluation of the criteria has begun and will include an assessment of the differences between California's criteria and U.S. EPA's criteria. Anticipated topics for review include, but are not limited to:

- The Waste Extraction Test (WET) method
- The Solubility Threshold Limit Concentration (STLC) hazardous waste regulatory threshold for lead
- Non-RCRA metals
- Comparison of federal and state testing methods
- Acute aquatic toxicity bioassay
- Chemicals of Emerging Concern
- The waste coding system and potential areas for improvement
- Landfill design and construction

DTSC will provide recommendations for future research and various hazardous waste criteria in the Plan.

### 9.2 Development of a Waste Reduction Strategy

Preliminary review of data prior to 2010, as well as prior research conducted in the Community Protection and Hazardous Waste Reduction Initiative, indicate that overall hazardous waste generation has decreased over time. DTSC will conduct research to understand the causes of this decrease. Once the causes are understood, a targeted and intentional approach to waste reduction could be developed that is focused on specific industry sectors or waste streams rather than establish a general reduction goal based on an overall percentage. This targeted approach may result in more direct

positive impacts on environmental justice communities. It will be important to consider more efficient and sustainable strategies for managing waste, such as on-site treatment, on- and off-site recycling, pollution prevention, safer alternative products, and encouraging a more robust circular economy in California.

To accomplish waste reduction in an efficient and sustainable manner, DTSC must consider information such as the following to better inform which waste streams to prioritize:

- Technical aspects of manufacturing processes or other processes that generate hazardous wastes
- The composition of waste streams that are generated
- Consideration of where waste is generated (e.g., from a manufacturing process, cleanup project, or general construction)
- How wastes might be treated and whether the treatment itself generates a hazardous waste stream
- Whether there are regulatory or statutory limitations for treating the hazardous waste stream on-site or off-site
- Other implementation issues, such as hazardous waste storage logistics, energy use, water use, emissions, or time required for treatment

DTSC should encourage efforts to collect certain hazardous waste types such as universal waste and household hazardous waste in order to continue to promote proper management. The Department should also encourage the continued collection of wastes that are anticipated to decrease over time such as CRTs. The amount of CRTs collected, for example, will likely decrease as older CRT-based technologies have been replaced by newer technology, but it will continue to be important to ensure that these wastes are properly managed. A reduction in collection programs could result in improper and illegal management of hazardous waste.

While DTSC is not currently resourced to implement a waste reduction program, the Department will provide recommendations in the Plan regarding development of a program and strategies.

### 9.3 Development of a Capacity Assurance Strategy

Since the 1980s, California's stated intention has been to manage its hazardous waste within its own borders rather than depending on out-of-state facilities. Nonetheless, California has increasingly relied on out-of-state facilities. In order to manage more of its own hazardous waste, the state must ensure adequate capacity exists in California. The first step to ensuring adequate capacity is to quantify the current capacity. As such, DTSC will develop an estimate of the current capacity for hazardous wastes to be managed in California.

California identifies more wastes as hazardous than the federal program, thus requiring more wastes to be managed as hazardous. It is important to distinguish these additional wastes from federal hazardous wastes, understand the hazards they pose in comparison to federal hazardous waste, and ensure that they are managed in an appropriate, efficient, and sustainable manner.

DTSC will make recommendations in the Plan to identify opportunities to realize this goal.

#### 9.4 Development of an Environmental Justice Strategy

Since the inception of DTSC, the Department has heard multiple concerns from environmental justice communities about the management of hazardous waste and site cleanups. Concerns have included, but not been limited to, the operation and zoning of hazardous waste facilities, cumulative impacts, the transportation of hazardous waste, and the consideration of community input.

Some of these concerns are difficult to address because they are outside of DTSC's authority. As an example, zoning and local governmental ordinances are determined at the city and county level, not at the state level. In addition, the risks posed by generators to surrounding communities should be considered in addition to the risks of TSDFs.

DTSC will seek community input from environmental justice communities regarding their concerns relating to the management of hazardous waste, including how it relates to site cleanups. DTSC's Hazardous Waste Plan Unit and Office of Environmental Equity will leverage ongoing outreach efforts across the department to collect information about concerns regarding hazardous waste management. DTSC will use information gathered from these discussions, including sea level rise, CalEnviroscreen analyses, and community surveys to inform and develop recommendations in the Plan.

#### 9.5 Additional Questions and Data Gaps

There are additional questions that should be considered in preparation for the Hazardous Waste Management Plan. These include:

- Can non-RCRA contaminated soil be safely disposed of in non-hazardous waste landfills in-state?
- How has the limited national incinerator capacity affected California Generators?
- Can incentives be provided to encourage hazardous waste facilities that plan to treat/recycle emerging waste streams?
- Which waste streams should be targeted for treatment or waste reduction?
- Are the additional permitting criteria regarding community protection and cumulative impacts for permitted facilities justified, as compared to the requirements for generators?

- Does the new fee structure incentivize fee payer behavior consistent with policy objectives?
- Should special considerations be made for soil that is identified as hazardous when generated due to naturally occurring metals?
- Should California endeavor to have enough in-state capacity to manage all non-RCRA hazardous waste?
- Should California review the federal exclusions to determine if some may be beneficial for waste reduction while maintaining protection of human health and the environment?

There are also several data gaps that may not be able to be resolved but should be researched. Among these are:

- The impacts of hazardous waste generators on communities
- The total disposal capacity and throughput capacity of TSDFs
- Quantification of on-site treatment and recycling of hazardous waste
- Complete analysis of data in HWTS prior to 2010
- Hazardous waste trends per industry (application of NAICS codes)
- How to best determine the number of RCRA and non-RCRA large quantity generators and small quantity generators based on information in HWTS
- The relative impacts of hazardous materials transportation compared to hazardous waste transportation
- Accessing the information in CERS and whether future CERS NextGen projects can facilitate hazardous waste data collection
- Obtaining more information regarding the generators of used oil
- Risks associated with contaminated soil
- Evaluation of TRI data to determine its usefulness to the Plan
- Quantification of improperly disposed hazardous waste
- Design and protectiveness of non-hazardous waste landfills and variations between older and newer landfills

The data presented in this report provide information that will inform the 2025 Plan. This report identifies many challenges facing the state that warrant consideration in the Plan. Input from the Board of Environmental Safety and a wide range of stakeholders will be used to determine which data gaps might be closed in the coming years for the state to establish a robust strategy for managing hazardous waste into the future.

## **2023 Hazardous Waste Management Report Tables**

**Table 2.4-1: Universal Waste Type and Data Source Used**

Note: This table is embedded in the report.

<b>Universal Waste Type</b>	<b>Data Source Used</b>
Electronic Devices, including CRT Devices	DTSC Universal Waste Electronic Device (UWED) Annual Report
CRTs	DTSC UWED Annual Report
CRT Glass	DTSC UWED Annual Report
Batteries	DTSC Rechargeable Battery Survey
Lamps	Not Currently Tracked
Mercury-containing Equipment	Thermostat Recycling Corp. Report
Non-Empty Aerosol Cans	Not Currently Tracked
PV Modules	DTSC PV Module Annual Report

**Table 2.4-2: Handled Universal Waste in California in Tons in 2021, Rounded**

Generator/Handler County	Count Electronic Devices Handled	Tons Electronic Devices Handled	Tons CRT Devices Handled	Tons CRT Handled	Tons CRT Glass Handled	Batteries Handled	Count PV Modules Handled	Tons PV Modules Handled	Tons Mercury Handled	County Total
Material Total	386,660	50,880	14,210	9,760	560	2,210	340	690	0.059272	78,310
Alameda County	142,620	2,150	200	10	0	N/A	0	7.8415	0.0027652	2,370
Alpine County	0	0	0	0	0	N/A	0	0	0	0
Amador County	0	8.447	1.721	0.4105	0	N/A	0	0	0	10
Butte County	10	610	510	1.8125	0	N/A	80	0	0.000186	1,120
Calaveras County	0	0.126	0	0	0	N/A	0	0	0	0.126
Colusa County	0	20	20	0	0	N/A	0	0	0	40
Contra Costa County	500	860	120	0.94	0	N/A	0	50	0.0018445	1,030
Del Norte County	0	20	30	0	0	N/A	0	0	0	50
El Dorado County	0	220	130	0	0	N/A	0	0	0	350
Fresno County	2,990	1,330	580	140	0	N/A	0	120	0.0054157	2,170
Glenn County	0	0	0	0	0	N/A	0	0	0	0
Humboldt County	0	230	80	0.0375	0	N/A	0	0	0	310
Imperial County	0	40	1,060	8,940	560	N/A	0	0	0.0017918	10,600
Inyo County	0	20	8,198	0	0	N/A	0	0	0.000031	30
Kern County	0	1,110	410	0.025	0	N/A	0	90	0.0001953	1,610
Kings County	0	100	30	0.03	0	N/A	0	0	0	130
Lake County	0	1.115	0	0	0	N/A	0	0	0	1.115
Lassen County	0	5.335	2.963	0	0	N/A	0	0	0	8.298
Los Angeles County	2,260	9,560	2,500	230	0	N/A	250	60	0.0121861	12,350
Madera County	6,720	40	60	0	0	N/A	0	0	0	100
Marin County	5,000	360	40	0	0	N/A	0	0	0.0005332	400
Mariposa County	0	0.2865	0.336	0	0	N/A	0	0	0	0.6225
Mendocino County	0	50	40	0	0	N/A	0	0	0	90
Merced County	40	170	80	10	0	N/A	0	0	0.0001302	260
Modoc County	0	0	0	0	0	N/A	0	0	0	0
Mono County	0	8.675	5.588	0	0	N/A	0	0	0	10
Monterey County	17,740	310	400	80	0	N/A	0	0	0.0001519	790
Napa County	0	440	100	0	0	N/A	0	0	0.0001922	540
Nevada County	0	180	10	0	0	N/A	0	0	0	190
Orange County	1,930	4,510	700	80	0	N/A	0	30	0.0053258	5,320
Placer County	119,090	870	170	0.35	0	N/A	0	0	0	1,040
Plumas County	0	40	20	0	0	N/A	0	0	0	60
Riverside County	120	2,040	680	40	0	N/A	0	40	0.0168764	2,870
Sacramento County	4,670	2,080	840	0.2725	0	N/A	0	70	0.001116	2,990
San Benito County	0	50	2,938	5.725	0	N/A	0	0	0	60
San Bernardino County	500	7,430	870	130	0.3	N/A	0	30	0.0014973	8,460
San Diego County	76,080	2,870	520	40	0	N/A	0	30	0.0031434	3,460
San Francisco County	0	420	4.58	0.1075	0	N/A	0	0	0.0002418	420
San Joaquin County	1,120	2,610	420	4.785	0.0005	N/A	0	30	0.0003813	3,060
San Luis Obispo County	0	390	1090	0.2775	0	N/A	0	0	0.0003441	1,480
San Mateo County	0	1,650	100	0.64	0	N/A	0	40	0.0010602	1,790
Santa Barbara County	0	720	110	0.035	0	N/A	0	20	0.0004309	850



Generator/Handler County	Count Electronic Devices Handled	Tons Electronic Devices Handled	Tons CRT Devices Handled	Tons CRT Handled	Tons CRT Glass Handled	Batteries Handled	Count PV Modules Handled	Tons PV Modules Handled	Tons Mercury Handled	County Total
Santa Clara County	2,880	2,720	130	10	0	N/A	0	30	0.0011284	2,890
Santa Cruz County	0	750	820	2.131	0	N/A	0	0	0.0001178	1,570
Shasta County	0	420	160	0.015	0	N/A	0	0	0.0006107	580
Sierra County	0	0	0	0	0	N/A	0	0	0	0
Siskiyou County	0	60	60	0	0	N/A	0	0	0	120
Solano County	0	490	90	0.9855	0	N/A	0	0	0.0001054	580
Sonoma County	0	750	160	0.86	0	N/A	0	20	0.0002542	930
Stanislaus County	0	420	220	7.3895	0.6255	N/A	0	1.9325	0.0007006	650
Sutter County	0	70	20	0	0	N/A	0	0	0.0001302	90
Tehama County	0	90	60	0	0	N/A	0	0	0	150
Trinity County	670	0	3.225	0	0	N/A	0	0	0	3.225
Tulare County	0	180	140	1.8425	0	N/A	0	0	0.0000713	320
Tuolumne County	0	150	70	0	0	N/A	0	0	0	220
Ventura County	1,720	700	170	9.185	0	N/A	0	0	0.0001798	880
Yolo County	0	400	90	0.2505	0	N/A	0	0	0.0001333	490
Yuba County	0	150	70	0.15	0	N/A	0	0	0	220

Note: Figures greater than 10 are rounded to the nearest 10. Figures below 10 are not rounded. Mercury figures are not rounded.

**Table 2.4-3: Handled Batteries by Battery Type, by Year**

<b>Year</b>	<b>Total Quantity Collected (Tons)</b>	<b>Li-Ion (Tons)</b>	<b>Li-Ion (Percent)</b>	<b>Ni-Cd (Tons)</b>	<b>Ni-Cd (Percent)</b>	<b>Ni-MH (Tons)</b>	<b>Ni-MH (Percent)</b>	<b>Small Sealed Lead Acid (Tons)</b>	<b>Small Sealed Lead Acid (Percent)</b>
2017	1,600	240	15	180	11	50	3	1,130	71
2018	1,690	140	8	220	13	60	4	1,270	75
2019	2,140	220	10	200	9	50	2	1,680	79
2020	2,780	200	7	130	5	40	4	2,410	87
2021	2,210	150	7	90	4	50	2	1,920	87

Note: Figures greater than 10 are rounded to the nearest 10.

**Table 2.4-4: Handled HHW by County, 2020-2021**

<b>County</b>	<b>Total Tons HHW</b>	<b>% Tons of HHW Handled by County</b>
California Total	65,020	
Alameda County	3,240	5
Alpine County	N/A	0
Amador County	190	0
Butte County	360	1
Calaveras County	N/A	0
Colusa County	N/A	0
Contra Costa County	2,940	5
Del Norte County	90	0
El Dorado County	780	1
Fresno County	340	1
Glenn County	60	0
Humboldt County	900	1
Imperial County	90	0
Inyo County	50	0
Kern County	2,250	3
Kings County	310	0
Lake County	310	0
Lassen County	30	0
Los Angeles County	14,850	23
Madera County	40	0
Marin County	1,160	2
Mariposa County	50	0
Mendocino County	N/A	0
Merced County	170	0
Modoc County	10	0
Mono County	50	0
Monterey County	1,350	2
Napa County	80	0
Nevada County	450	1
Orange County	5,820	9
Placer County	1,430	2
Plumas County	N/A	0
Riverside County	1,660	3
Sacramento County	2,270	3
San Benito County	80	0
San Bernardino County	2,630	4
San Diego County	2,620	4
San Francisco County	1,290	2
San Joaquin County	1,980	3
San Luis Obispo County	440	1
San Mateo County	1,960	3

<b>County</b>	<b>Total Tons HHW</b>	<b>% Tons of HHW Handled by County</b>
Santa Barbara County	1,270	2
Santa Clara County	2,550	4
Santa Cruz County	450	1
Shasta County	120	0
Sierra County	10	0
Siskiyou County	180	0
Solano County	630	1
Sonoma County	1,720	3
Stanislaus County	800	1
Sutter County	N/A	0
Tehama County	250	0
Trinity County	40	0
Tulare County	180	0
Tuolumne County	230	0
Ventura County	1,060	2
Yolo County	1,070	2
Yuba County	N/A	0
Alpine, Calaveras Counties	130	0
Los Angeles, Orange, Riverside Counties	140	0
Napa, Solano Counties	360	1
Sacramento, Yolo Counties	470	1
San Luis Obispo, Santa Barbara Counties	560	1
Sutter, Yuba Counties	450	1

Note: Figures greater than 10 are rounded to the nearest 10.

**Table 2.4-5: Handled Tons of HHW by Category, 2020-2021**

<b>Waste Type</b>	<b>Total Tons HHW</b>	<b>% Tons of HHW</b>
HHW Total Tons	65,020	
Acid	330	1
Asbestos	160	0
Base	640	1
Electronic Devices (UW)	29,320	45
Flammable and Poison	10,850	17
Other	3,800	6
Oxidizer	160	0
PCB-Containing	70	0
Reclaimable	15,660	24
Universal Waste (UW)	4,030	6

Note: Figures greater than 10 are rounded to the nearest 10.

**Table 2.4-6: Universal Waste Collected in HHW, 2020-2021**

<b>Universal Waste Type</b>	<b>Total Tons UW (HHW)</b>	<b>% Tons of UW</b>
Total Universal Waste	33,350	
Electronic Devices	29,320	88
Other Batteries	1,960	6
Aerosol Cans	890	3
Lamps	870	3
Rechargeable Batteries	290	1
Mercury-containing	20	0
PV Modules	0.15	0

Note: Figures greater than 10 are rounded to the nearest 10. Figures below 10 are not rounded.

**Table 2.4-7: Reclaimables collected in HHW, 2020-2021**

<b>Reclaimable Waste Type</b>	<b>Total Tons Reclaimables (HHW)</b>	<b>% Tons of Reclaimables</b>
Total Reclaimable Tons	15,660	
Antifreeze	530	3
Auto-type Batteries	1,230	8
Latex Paint	11,790	75
Motor Oil and Products	1,970	13
Oil Filters	130	1

Note: Figures greater than 10 are rounded to the nearest 10.

**Table 3.2-1: Treated Universal Waste, Rounded, 2021**

Recycler County	Count Electronic Devices Treated	Tons Electronic Devices Treated	Tons CRT Devices Treated	Tons CRT Treated	County Total Tons
Material Total	32,720	59,410	18,200	6,680	84,290
Alameda County	31,890	380	0	0	380
Fresno County	0	15,170	1,890	0	17,060
Humboldt County	0	0.5965	0	0	0.5965
Kern County	0	20	0	0	20
Los Angeles County	0	6,950	4,410	0	11,360
Orange County	0	9,880	2,070	0	11,950
Placer County	0	1,520	60	0	1,580
Riverside County	0	3,790	2,410	0	6,200
Sacramento County	0	3,700	1,290	740	5,730
San Bernardino County	0	11,270	3,010	5,620	19,900
San Diego County	830	540	1060	0	1,600
San Joaquin County	0	1,960	1,380	0	3,340
Santa Clara County	0	1,680	0	0	1,680
Santa Cruz County	0	150	0	0	150
Sonoma County	0	30	0.6615	0	30.6615
Stanislaus County	0	80	0	0	80
Ventura County	0	770	600	320	1,690
Yolo County	0	1,530	0	0	1,530

Note: Figures greater than 10 are rounded to the nearest 10. Figures below 10 are not rounded.



**Table 3.2-2: Destinations of Universal Waste, World, 2021, Rounded**

Destination Country	Count Electronic Devices	Tons Electronic Devices	Tons CRT Devices	Tons CRT	Tons CRT Glass	Tons Unspecified Universal Waste	Count PV Modules	Tons PV Modules	Tons Mercury	Country Total Tons
World Total	27,790	41,600	2,810	12,530	3,270	930	1,330	660	0.0592627	61,800
Japan	0	180	0	0	0	0	0	0	0	180
Republic of Korea	0	310	0	0	870	0	0	0	0	1,180
United States	27,790	29,040	1,820	3,590	1,850	930	1,330	660	0.0592627	37,890
Mexico	0	2,670	990	8,940	560	0	0	0	0	13,150
Hong Kong	0	570	0	0	0	0	0	0	0	570
Indonesia	0	5,670	0	0	0	0	0	0	0	5,670
Philippines	0	2,130	0	0	0	0	0	0	0	2,130
Malaysia	0	1,030	0	0	0	0	0	0	0	1,030

Note: World total and country total tons are the rounded sums of unrounded numbers.  
 Figures greater than 10 are rounded to the nearest 10. Figures below 10 are not rounded.

**Table 3.2-3: Destinations of Universal Waste in United States, 2021, Rounded**

Destination State	Count Electronic Devices	Tons Electronic Devices	Tons CRT Devices	Tons CRT	Tons CRT Glass	Tons Unspecified Universal Waste	Count PV Modules	Tons PV Modules	Tons Mercury	State Total Tons
United States Total	27,790	29,040	1,820	3,590	1,850	930	1,330	660	0.0592627	37,890
Alabama	0	1.692	0	0	0	0	0	0	0	1.692
Arkansas	0	10	0.0175	0.105	0	0	0	0	0	10
Arizona	0	3,970	6.874	0.0015	0.0005	70	1,000	0	0	4,050
California	27,790	19,540	1,800	90	0	460	340	30	0	21,920
Colorado	0	90	0	0	0	8.733	0	0	0	100
Florida	0	3.503	0	0	0	0	0	0	0	3.503
Georgia	0	120	0	0	0	80	0	0	0	200
Illinois	0	500	0.064	0	0	0	0	0	0	500
Kansas	0	500	0	0	0	0	0	0	0	500
Maryland	0	5.6775	0	0	0	40	0	0	0	50
Michigan	0	0	0	0	0	0.2735	0	0	0	0.2735
Minnesota	0	20	0	0	0	0	0	0	0	20
Missouri	0	0	0	700	740	20	0	0	0	1,450
North Carolina	0	890	0	0	0	0.877	0	0	0	890
Nebraska	0	1.5875	0	0	0	0	0	0	0	1.5875
New Hampshire	0	1.0565	0	0	0	0	0	0	0	1.0565
New Mexico	0	0	0	0	0	0.045	0	0	0	0.045
Nevada	0	1,190	0	2,800	1,110	150	0	10	0	5,270
New York	0	60	0	0	0	0	0	0	0	60
Ohio	0	30	0	0	0	90	0	10	0	130
Oklahoma	0	3.616	0	0	0	0	0	0	0	3.616
Oregon	0	1,100	8.7085	0	0	0	0	0	0	1,110
Pennsylvania	0	0	0	0	0	0.0195	0	0	0	0.0195
Tennessee	0	2.9985	0	0	0	0	0	0	0	2.9985
Texas	0	740	0.2545	0	0	3.2385	0	600	0	1,340
Utah	0	0.3	0	0	0	0.097	0	0	0	0.397
Virginia	0	150	0	0	0	0	0	0	0	150
Washington	0	0.1475	0	0	0	0	0	0	0	0.1475
Wisconsin	0	100	0	0	0	10	0	0	0.0592627	120

Note: United States total and state total tons are the rounded sums of unrounded numbers. Figures greater than 10 are rounded to the nearest 10. Figures below 10 are not rounded.

**Table 3.2-4: Destinations of Universal Waste in California, 2021, Rounded**

Destination County	Count Electronic Devices	Tons Electronic Devices	Tons CRT Devices	Tons CRT	Tons CRT Glass	Tons Unspecified Universal Waste	Count PV Modules	Tons PV Modules	Tons Mercury	County Total Tons
California Total	27,790	19,540	1,800	90	0	460	340	30	0	21,920
Alameda County	650	1,940	400	30	0	2.2695	0	0	0	2,360
Contra Costa County	0	40	0	0	0	0	0	0	0	40
Fresno County	4,450	8,010	860	60	0	0	0	30	0	8,960
Glenn County	0	190	70	0.0375	0	0	0	0	0	260
Imperial County	0	0.3285	0	0	0	0	0	0	0	0.3285
Kern County	0	3.669	0	0	0	0	0	0	0	3.669
Los Angeles County	2,200	2,760	140	0.2265	0	130	0	0	0	3,020
Marin County	0	10	3.4215	0	0	0	0	0	0	20
Mendocino County	0	20	20	0	0	0	0	0	0	40
Merced County	0	100	0.4945	0	0	0.585	0	0	0	100
Monterey County	17,740	3.04	0.6	0	0	0	0	0	0	3.64
Orange County	0	70	7.265	0.04	0	50	0	0	0	120
Riverside County	0	710	60	0	0	0	0	0	0	780
Sacramento County	0	120	0	0	0	0	80	0	0	120
San Bernardino County	0	2,570	110	1.912	0	280	250	0	0	2,960
San Diego County	0	700	8.7105	2.7895	0	0	0	0	0	710
San Francisco County	0	380	0	0	0	0	0	0	0	380
San Joaquin County	0	7.8	5.25	0	0	0	0	0	0	10
San Mateo County	0	870	1.276	0	0	0	0	0	0	880
Santa Clara County	1,390	410	0	0.0705	0	0	0	0	0	410
Solano County	0	4.25	0	0	0	0	0	0	0	4.25
Sonoma County	0	150	20	0	0	0	0	0	0	180
Stanislaus County	0	7.163	0	0	0	0	0	1.9325	0	9.0955
Ventura County	0	470	100	0	0	0	0	0	0	560
Yolo County	1,360	5.13	0	0	0	0	0	0	0	5.13

Note: California total and county total tons are the rounded sums of unrounded numbers. Figures greater than 10 are rounded to the nearest 10. Figures below 10 are not rounded.

**Table 3.2-5: Fates of PV Modules Handled in 2021**

<b>Fate of PV Modules</b>	<b>Count of PV Modules</b>	<b>% of Count Modules</b>	<b>Tons of PV Modules</b>	<b>% of Tons Modules</b>
Total Modules	1,330		660	
Recycled	1,090	82	80	12
Refurbished	250	19	N/A	0
Reuse/Recover/Recycle Heirarchy	N/A	0	540	82
Handled, Not Shipped	N/A	0	30	5

Note: Figures greater than 10 are rounded to the nearest 10.

**Table 3.3-1: HHW Disposition for 2020-2021, by Disposition Type**

<b>Disposition Waste Type</b>	<b>Total Tons Disposed (HHW)</b>	<b>% Tons of Disposed Waste</b>
Total	63,800	
Destructive Incineration	6,680	10
Fuel Incineration	3,850	6
Recycled	36,630	57
Reused	920	1
Neutralization/Treatment	690	1
PaintCare	12,370	19
PaintCare Reuse	290	0
Stabilization	70	0
TRC	0.162	0
Landfill	2,300	4

Note: Figures greater than 10 are rounded to the nearest 10. Figures below 10 are not rounded.

**Table 3.3-2: HHW Disposition for 2020-2021, by County**

<b>County</b>	<b>Total Tons HHW</b>	<b>% Tons of HHW Handled by County</b>
California Total	63,800	
Alameda County	3,230	5
Alpine County	N/A	0
Amador County	190	0
Butte County	360	1
Calaveras County	N/A	0
Colusa County	N/A	0
Contra Costa County	2,940	5
Del Norte County	90	0
El Dorado County	720	1
Fresno County	340	1
Glenn County	50	0
Humboldt County	900	1
Imperial County	90	0
Inyo County	50	0
Kern County	2,250	4
Kings County	310	0
Lake County	310	0
Lassen County	30	0
Los Angeles County	14,840	23
Madera County	40	0
Marin County	1,160	2
Mariposa County	50	0
Mendocino County	N/A	0
Merced County	170	0
Modoc County	10	0
Mono County	50	0
Monterey County	1,350	2
Napa County	80	0
Nevada County	450	1
Orange County	5,820	9
Placer County	1,430	2
Plumas County	N/A	0
Riverside County	1,660	3
Sacramento County	2,270	4
San Benito County	80	0
San Bernardino County	2,630	4
San Diego County	2,180	3
San Francisco County	1,290	2
San Joaquin County	1,980	3
San Luis Obispo County	440	1
San Mateo County	1,960	3
Santa Barbara County	1,270	2
Santa Clara County	2,550	4
Santa Cruz County	450	1
Shasta County	120	0
Sierra County	10	0
Siskiyou County	180	0
Solano County	620	1
Sonoma County	1,720	3
Stanislaus County	170	0
Sutter County	N/A	0
Tehama County	250	0

<b>County</b>	<b>Total Tons HHW</b>	<b>% Tons of HHW Handled by County</b>
Trinity County	40	0
Tulare County	180	0
Tuolumne County	230	0
Ventura County	1,000	2
Yolo County	1,070	2
Yuba County	N/A	0
Alpine, Calaveras Counties	130	2
Los Angeles, Orange, Riverside Counties	140	2
Napa, Solano Counties	360	1
Sacramento, Yolo Counties	470	1
San Luis Obispo, Santa Barbara Counties	560	1
Sutter, Yuba Counties	450	1

Note: Figures greater than 10 are rounded to the nearest 10. Figures below 10 are not rounded.

**Table 4.1-1: List of Universal Waste Handlers, 2021**

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Riverside County Dept. of Waste Resources	0512 North Langstaff Street, Lake Elsinore, CA, 92630	Lake Elsinore	Riverside	0	20	2.25	0	0	0	0	0	UWED
Goodwill of San Francisco	1 Camino Alto, Mill Valley, CA, 94941-2974	Mill Valley	Marin	0	60	1.3475	0	0	0	0	0	UWED
Conservation Corps North Bay	1 Citrus Fair Dr., Cloverdale, CA, 95425	Cloverdale	Sonoma	0	7.47	1.2715	0	0	0	0	0	UWED
Office Depot, Inc.	1 Colma Blvd, Colma, CA, 94014	Colma	San Mateo	0	0.7775	0	0	0	0	0	0	UWED
Lawrence Berkeley National Lab	1 Cyclotron Rd, Berkeley, CA, 94720-8028	Berkeley	Alameda	0	30	0	0	0	0	0	0	UWED
AT&T	1 Mccoppin St, San Francisco, CA, 94103-1219	San Francisco	San Francisco	0	0.1135	0	0	0	0	0	0	UWED
my ewaste drop off	1 Mission Hills Ct, San Marcos, CA, 92069	San Marcos	San Diego	0	1.4385	0.587	0	0	0	0	0	UWED
West Contra Costa Sanitary Landfill	1 Parr Boulevard, Richmond, CA, 94801	Richmond	Contra Costa	0	20	0	0	0	0	0	0	UWED
Urban Corps of San Diego County	1 Pirates Cove Way, Oceanside, CA, 91054	Oceanside	San Diego	0	1.578	0.275	0	0	0	0	0	UWED
Lam Research Corporation	1 Portola Ave, Livermore, CA, 94551-7647	Livermore	Alameda	0	2.4805	0	0	0	0	0	0	UWED
e-Recycling of California	1 Twin Pines Lane, Belmont, CA, 94002	Belmont	San Mateo	0	2.043	0.2855	0	0	0	0	0	UWED
ViewSonic Corporation	10 Pointe Dr., Brea, CA, 92821	Brea	Orange	0	40	0	0	0	0	0	0	UWED
Monterey City Disposal Service, Inc.	10 Ryan Ranch Rd, Monterey, CA, 93940-5703	Monterey	Monterey	0	10	1.3475	0	0	0	0	0	UWED
North Valley Waste Management	100 block of Kentucky Street, Gridley, CA, 95948	Gridley	Butte	0	1.3945	0.032	0	0	0	0	0	UWED
Chevron	100 Chevron Way, Richmond, CA, 94801-2016	Richmond	Contra Costa	0	7.7	0.35	0.8125	0	0	0	0	UWED
Recology	100 Nyland Drive, San Juan Bautista, CA, 95045	San Juan Bautista	San Benito	0	3.124	0.878	0	0	0	0	0	UWED
Pacific Bell Telephone Company	100 Orchard Ave, Hayward, CA, 94544-1913	Hayward	Alameda	0	0.3885	0	0	0	0	0	0	UWED
DIRECTV, LLC	100 PAUL AVE, SAN FRANCISCO, CA, 94124	SAN FRANCISCO	San Francisco	0	7.3255	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	100 Paul Ave, SAN FRANCISCO, CA, 94124	SAN FRANCISCO	San Francisco	0	7.3255	0	0	0	0	0	0	UWED
Conservation Corps North Bay	100 Rowland Way, Novato, CA, 94945	Novato	Marin	0	3.66	0.597	0	0	0	0	0	UWED
Conservation Corps North Bay	100 Solano Ave, Vallejo, CA, 94706	Vallejo	Solano	0	2.3765	1.395	0	0	0	0	0	UWED
AT&T	100 W 20th St, Antioch, CA, 94509-2535	Antioch	Contra Costa	0	1.058	0	0	0	0	0	0	UWED



Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Pacific Bell Telephone Company	100 W Alondra Blvd, Gardena, CA, 90248-2702	Gardena	Los Angeles	0	60	0	0.075	0	0	0	0	UWED
Attan Recycling Corporation	100 W. Valencia Mesa Dr., Fullerton, CA, 92835	Fullerton	Orange	0	5.418	2.0875	0	0	0	0	0	UWED
PG&E	1000 King Salmon Ave, Eureka, CA, 95503-6859	Eureka	Humboldt	0	0.55	0	0	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	1000 Lakeville St, Petaluma, CA, 94952-3332	Petaluma	Sonoma	0	3.9275	2.5	0	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	1000 Midland Rd, Blythe, CA, 92225	Blythe	Riverside	0	0.12	0.05	0	0	0	0	0	UWED
Riverside County Department of Waste Resources	1000 Midland Road, Blythe, CA, 92225	Blythe	Riverside	30	0	3.475	0	0	0	0	0	UWED
Costco Wholesale Corporation	1000 North Rengstorff Avenue, Mountain View, CA, 94043	Mountain View	Santa Clara	0	5.939	0	0	0	0	0	0	UWED
West County Waste Mgmt Authority	1000 Sycamore Avenue, Hercules, CA, 94547	Hercules	Contra Costa	0	7.38	0.65	0	0	0	0	0	UWED
RC WILLEY HOME FURNISHINGS	10000 Allantown Dr, Roseville, CA, 95678-5996	Roseville	Placer	0	9.9625	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	1001 Metro Center Boulevard, Foster City, CA, 94404	Foster City	San Mateo	0	10	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	1001 Rose Bowl Dr, Pasadena, CA, 91103-2813	Pasadena	Los Angeles	0	10	6.3575	0	0	0	0	0	UWED
Alianza Recycling & Recovery, LLC	1001 Truxtun Ave, Bakersfield, CA, 93301-4714	Bakersfield	Kern	0	2.0345	0.5615	0	0	0	0	0	UWED
Waste Management of El Cajon	1001 W Bradley Ave, El Cajon, CA, 92020-1501	El Cajon	San Diego	0	20	3.21	0	0	0	0	0	UWED
TLC Auctions Holdings, LLC	10012 Citrus Ave, Fontana, CA, 92335-6446	Fontana	San Bernardino	0	440	50	0	0	0	0	0	UWED
Riverside County ARC	10020 Magnolia Ave, Riverside, CA, 92503-3530	Riverside	Riverside	0	9.1165	2.828	0	0	0	0	0	UWED
Coastal Inkjets	10023 Canoga Ave, Chatsworth, CA, 91311-3004	Chatsworth	Los Angeles	0	110	6.9945	0	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	1005 N State St, Ukiah, CA, 95482-3413	Ukiah	Mendocino	0	0	0.05	0	0	0	0	0	UWED
California Waste Solutions	1005 Timothy Dr, San Jose, CA, 95133-1043	San Jose	Santa Clara	0	30	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	1006 West Wabash Avenue, Eureka, CA, 95501	Eureka	Humboldt	0	10	0	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	1009 N. H. st, Lompoc, CA, 93436	Lompoc	Santa Barbara	0	4.0885	0.703	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
City of San Rafael HHWF	101 Fourth St., Pt Reyes Station, CA, 94956	Pt Reyes Station	Marin	0	0.475	0	0	0	0	0	0	UWED
Best Buy	101 General Stillwell Dr, Marina, CA, 93933-6242	Marina	Monterey	0	10	0.752	0	0	0	0	0	UWED
Intel Corporation	101 Innovation Dr, San Jose, CA, 95134-1941	San Jose	Santa Clara	0	6.1345	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	101 N Beach Blvd, La Habra, CA, 90631	La Habra	Orange	0	5.3565	0.007	0	0	0	0	0	UWED
West County Waste Mgmt Authority	101 Pittsburg Ave, Richmond, CA, 94801-1201	Richmond	Contra Costa	0	50	10	0	0	0	0	0	UWED
Recology	101 Tanforan Ave, San Bruno, CA, 94066-1534	San Bruno	San Mateo	0	30	7.896	0	0	0	0	0	UWED
Pacific Bell Telephone Company	101 V St, Bakersfield, CA, 93304-3241	Bakersfield	Tulare	0	4.3455	0	0	0	0	0	0	UWED
Staples, Inc.	1010 Helen Power Dr, Vacaville, CA, 95687-3504	Vacaville	Solano	0	8.8775	0.3345	0	0	0	0	0	UWED
Best Buy	1010 Hilltop Dr, Redding, CA, 96003-3810	Redding	Shasta	0	20	1.9095	0	0	0	0	0	UWED
Amazon.com Services, LLC	1010 W 4th Street, Beaumont, CA, 92223-2684	Beaumont	Riverside	0	40	0	0	0	0	0	0	UWED
Global Metal Recycling, Inc.	1011 E Pine St, Santa Ana, CA, 92701-6443	Santa Ana	Orange	0	2.218	0	0	0	0	0	0	UWED
Lockheed Martin Aeronautics Company - Palmdale	1011 Lockheed Way, Palmdale, CA, 93599-0001	Palmdale	Los Angeles	0	10	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	10111 Prospect Ave, Santee, CA, 92071-4411	Santee	San Diego	0	3.185	0	0	0	0	0	0	UWED
Mid Valley Disposal	1015 F St., Los Banos, CA, 93635	Los Banos	Merced	30	0	0.325	0	0	0	0	0	UWED
Best Buy	1015 N La Brea Ave, West Hollywood, CA, 90038-2323	West Hollywood	Los Angeles	0	50	2.728	0	0	0	0	0	UWED
The Salvation Army Arc Conoga Park	10158 Balboa Blvd, Granada Hills, CA, 91344	Granada Hills	Los Angeles	0	20	4.8475	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	1017 Gladstone St., Azusa, CA, 91702	Azusa	Los Angeles	0	20	10	0	0	0	0	0	UWED
Office Depot, Inc.	1018 N El Camino Real, Encinitas, CA, 92024	Encinitas	San Diego	0	2.2815	0	0	0	0	0	0	UWED
Enviro-Guard	1020 E Vermont Ave, Anaheim, CA, 92805	Anaheim	Orange	0	0.45	0	0	0	0	0	0	UWED
my ewaste drop off	10200 Pioneer Rd., Tustin, CA, 92782	Tustin	Orange	0	2.7505	0.8755	0	0	0	0	0	UWED
CEAR, Inc	10201 Skymaster Way, Mather, CA, 95655	Mather	Sacramento	0	90	570	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1021 A St, Ramona, CA, 92065-2130	Ramona	San Diego	0	1.288	0	0	0	0	0	0	UWED
Gen-Probe Incorporated	10210 Genetic Center Dr, San Diego, CA, 92121-4362	San Diego	San Diego	0	10	0	0	0	0	0	0	UWED

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Butte County	1023 Neal Rd, Paradise, CA, 95969-6100	Paradise	Butte	0	170	70	0.0375	0	0	0	0	UWED
City of Los Angeles	10241 Balboa Blvd, Northridge, CA, 91325-1615	Northridge	Los Angeles	0	300	50	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1025 13th St, Modesto, CA, 95354-0905	Modesto	Stanislaus	0	0.7205	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1025 Shary Cir, Concord, CA, 94518-2407	Concord	Contra Costa	0	1.3555	0	0	0	0	0	0	UWED
my ewaste drop off	10255 Mission Blvd, Riverside, CA, 92509	Riverside	Riverside	0	6.717	5.106	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1029 S 2nd St, El Centro, CA, 92243-3447	El Centro	Imperial	0	0.5685	0	0	0	0	0	0	UWED
PG&E	1030 Detroit Ave, Concord, CA, 94518-2401	Concord	Contra Costa	0	1.775	0	0.0725	0	0	0	0	UWED
Mid Valley Disposal	1030 S. Gateway Dr., Madera, CA, 93637	Madera	Madera	40	0	1.7	0	0	0	0	0	UWED
SA Recycling	10313 S Alameda St, Los Angeles, CA, 90002-3838	Los Angeles	Los Angeles	0	0.0525	0	0	0	0	0	0	UWED
Greater Valley Conservation Corps	1033 W. Las Palmas Ave, Patterson, CA, 95363	Patterson	Merced	0	5.1035	1.13	1.757	0	0	0	0	UWED
MADISON MATERIALS	1035 E 4th St, Santa Ana, CA, 92701-4750	Santa Ana	Orange	0	0	7.19	0	0	0	0	0	UWED
Urban Corps of San Diego County	1035 S 45th street, San Diego, CA, 92113	San Diego	San Diego	0	1.071	0.1	0	0	0	0	0	UWED
Goodwill Industries	104 Mid Valley Ctr, Carmel, CA, 93923-8500	Carmel	Monterey	0	1.207	0.675	0	0	0	0	0	UWED
Attan Recycling Corporation	104-198 Yorba Linda Blvd, Placentia, CA, 92870	Placentia	Orange	0	6.752	1.374	0	0	0	0	0	UWED
BC Recycling	1043 E Houston Ave, Visalia, CA, 93292-3847	Visalia	Tulare	0	3.287	3.9545	0	0	0	0	0	UWED
PSC Environmental Services	1044 W Washington Ave, Escondido, CA, 92025-1672	Escondido	San Diego	0	130	40	0	0	0	0	0	UWED
Goodwill Industries	1045 N Main St, Salinas, CA, 93906-3808	Salinas	Monterey	0	0.0405	180	0	0	0	0	0	UWED
Charter Communications	10450 Pacific Center Court, San Diego, CA, 92121	San Diego	San Diego	0	20	0	0	0	0	0	0	UWED
Best Buy	1046 N El Camino Real, Encinitas, CA, 92024-1320	Encinitas	San Diego	0	40	2.2375	0	0	0	0	0	UWED
Recology	1046 Palmetto Ave, Pacifica, CA, 94044-2216	Pacifica	San Mateo	0	40	5.723	0	0	0	0	0	UWED
AW Rice Road	10463 N Rice Rd, Fresno, CA, 93730-1101	Fresno	Fresno	0	2.3215	0	0	0	0	0	0	UWED
Salvation army	1050 Commerce Center Dr, Lancaster, CA, 93534-5860	Lancaster	Los Angeles	0	1.909	3.3935	3.3935	0	0	0	0	UWED
Costco Wholesale Corporation	1051 Burbank Blvd, Burbank, CA, 91506	Burbank	Los Angeles	0	10	0	0	0	0	0	0	UWED

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Pacific Bell Telephone Company	1051 Martin Ave, Santa Clara, CA, 95050-2650	Santa Clara	Santa Clara	0	1.9775	0	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	10510 Marauder Way, San Diego, CA, 92126	San Diego	San Diego	0	9.7845	5.0365	0	0	0	0	0	UWED
DIRECTV, LLC	1055 E Francis St, Ontario, CA, 91761-5633	Ontario	San Bernardino	0	7.656	0	0	0	0	0	0	UWED
Onsite Electronics Recycling	1055 Escalon Ave, Escalon, CA, 95320	Escalon	San Joaquin	0	10	10	0	0	0	0	0	UWED
E-recycling of California	10551 Bellegrave Ave, Jurupa Valley, CA, 91752-1800	Jurupa Valley	Riverside	0	2.7745	0.816	0	0	0	0	0	UWED
City of Cupertino	10555 Mary Ave, Cupertino, CA, 95014-1322	Cupertino	Santa Clara	1390	0	0.075	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	1056 E Vista Way, Vista, CA, 92084-4602	Vista	San Diego	1780	0	4.875	0	0	0	0	0	UWED
Humboldt Waste Management Authority	1059 W Hawthorne St, Eureka, CA, 95501-2150	Eureka	Humboldt	0	190	80	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1060 Terven Ave, Salinas, CA, 93901-4521	Salinas	Monterey	0	1.076	0	0	0	0	0	0	UWED
Attan Recycling Corporation	10600 Firestone Blvd, Norwalk, CA, 90650	Norwalk	Los Angeles	0	4.6625	1.2045	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	10601 Tierrasanta Blvd., San Diego, CA, 92124	San Diego	San Diego	920	0	1.15	0	0	0	0	0	UWED
WM CURBSIDE, LLC	10633 RUCHTI ROAD, SOUTH GATE, CA, 90280	SOUTH GATE	Los Angeles	0	40	20	0	0	0	0	0	UWED
Safety-Kleen Systems, Inc.	10651 Hickson St, El Monte, CA, 91731-1947	El Monte	Los Angeles	0	3.895	0.035	0.0175	0	0	0	0	UWED
The Scripps Research Institute	10660 N. Torrey Pines Road, San Diego, CA, 92121	San Diego	San Diego	0	40	0.123	0	0	0	0	0	UWED
Azusa Land Reclamation	10663 Ruchti RD, South Gate, CA, 90280	South Gate	Los Angeles	0	40	1.9015	0	0	0	0	0	UWED
Goodwill Sacramento	1069 Emerald Bay Road, South Lake Tahoe, CA, 96150	South Lake Tahoe	El Dorado	0	10	0.972	0	0	0	0	0	UWED
Tuolumne County Solid Waste	10700 Merrell Rd, Groveland, CA, 95321	Groveland	Tuolumne	0	10	6.2905	0	0	0	0	0	UWED
Anaheim Regional HHWCC	1071 N Blue Gum St, Anaheim, CA, 92806-2406	Anaheim	Orange	0	470	0	0	0	0	0	0	UWED
Best Buy	10799 Washington Blvd, Culver City, CA, 90232-3364	Culver City	Los Angeles	0	50	2.817	0	0	0	0	0	UWED
Sun's Pad & Foam Recycling	108 Medburn St, Concord, CA, 94520-1143	Concord	Contra Costa	0	10	8.8445	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	10808 Culver City Blvd., Culver City, CA, 90232	Culver City	Los Angeles	0	6.44	3.128	0	0	0	0	0	UWED

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North Hollywood Recycling DBA Eagle Recycling	10825 Vanowen St., North Hollywood, CA, 91605	North Hollywood	Los Angeles	0	10	0	0	0	0	0	0	UWED
Altamont Landfill and Resource Reco	10840 Altamont Pass Rd, Livermore, CA, 94551-9722	Livermore	Alameda	0	0.528	0.004	0	0	0	0	0	UWED
Attan Recycling Corporation	10840 Katella Ave, Garden Grove, CA, 92840	Garden Grove	Orange	0	5.9995	2.2005	0	0	0	0	0	UWED
Enviro - We USA llc	1085 E Main St, El Cajon, CA, 92021-6247	El Cajon	San Diego	0	7.405	2.457	0	0	0	0	0	UWED
PG&E	10900 N Blaney Ave, Cupertino, CA, 95014-0555	Cupertino	Santa Clara	0	0.8725	0	0	0	0	0	0	UWED
San Diego Gas & Electric	10939 Technology Pl, San Diego, CA, 92127-1811	San Diego	San Diego	0	20	0	0	0	0	0	0	UWED
Mid Valley Disposal	109561 14th Ave., Armona, CA, 93202	Armona	Fresno	10	0	0.175	0	0	0	0	0	UWED
Pacific Bell Telephone Company	10983 Lower Azusa Rd, El Monte, CA, 91731-1309	El Monte	Los Angeles	0	1.36	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	1099 Hospitality Lane, San Bernardino, CA, 92408	San Bernardino	San Bernardino	0	5.3695	0.0235	0	0	0	0	0	UWED
my ewaste drop off	110 N Vine Ave., Ontario, CA, 91762	Ontario	Riverside	0	0.468	0.551	0	0	0	0	0	UWED
ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	1100 Decoto Road, Union City, CA, 94587	Union City	Alameda	0	5.707	0.467	0	0	0	0	0	UWED
ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	1100 Eastshore Highway, Albany, CA, 94710	Albany	Alameda	0	4.5985	0.3495	0	0	0	0	0	UWED
The Salvation Army	1100 N La Palma Pkwy, Anaheim, CA, 92801-2412	Anaheim	Orange	6	0	0.025	0	0	0	0	0	UWED
PG&E	1100 S 27th St, Richmond, CA, 94804-4571	Richmond	Contra Costa	0	0.314	0	0	0	0	0	0	UWED
NASA Services, Inc	1100 S Maple Ave, Montebello, CA, 90640	Montebello	Los Angeles	0	10	20	0	0	0	0	0	UWED
Turlock Transfer	1100 S Walnut Rd, Turlock, CA, 95380-9221	Turlock	Stanislaus	0	10	20	0	0	0	0	0	UWED
Ralphs Grocery Company	1100 W Artesia Blvd, Compton, CA, 90220-5108	Compton	Los Angeles	0	60	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	11000 Garden Grove Boulevard, Garden Grove, CA, 92843	Garden Grove	Orange	0	7.3435	0.013	0	0	0	0	0	UWED
Frank R. Bowerman Landfill	11002 Bee Canyon Access Rd, Irvine, CA, 92602-0500	Irvine	Orange	0	2.7425	0	0	0	0	0	0	UWED

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GOODWILL OF ORANGE COUNTY	1101 E Imperial Hwy, Placentia, CA, 92870-1717	Placentia	Orange	0	20	3.8035	0	0	0	0	0	UWED
Schnitzer Steel Industries	1101 Embarcadero W, Oakland, CA, 94607-2536	Oakland	Alameda	0	0.05	0	0	0	0	0	0	UWED
Office Depot, Inc.	1101 Industrial Rd, San Carlos, CA, 94070	San Carlos	San Mateo	0	0.855	0	0	0	0	0	0	UWED
Butte Regional HHWCF	1101 Marauder St, Chico, CA, 95973-9038	Chico	Butte	0	50	20	0	0	0	0	0	UWED
Pacific Bell Telephone Company	11012 W River St, Truckee, CA, 96161-0322	Truckee	Nevada	0	0.305	0	0	0	0	0	0	UWED
City of Los Angeles	11025 Randall St, Sun Valley, CA, 91352	Sun Valley	Los Angeles	0	160	30	0	0	0	0	0	UWED
Turlock Irrigation District	1103 N Broadway Ave., Turlock, CA, 95380	Turlock	Stanislaus	0	1.1465	0.29	0	0	0	0	0	UWED
City of Los Angeles	11050 Pendleton St, Sun Valley, CA, 91352-1574	Sun Valley	Los Angeles	0	90	100	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	11052 Magnolia St, Garden Grove, CA, 92841-1028	Garden Grove	Orange	0	10	2.114	0	0	0	0	0	UWED
Attan Recycling Corporation	11070 Limonite Ave, Mira Loma, CA, 91752	Mira Loma	Riverside	0	20	5.0595	0	0	0	0	0	UWED
Office Depot, Inc.	11080 Foothill Blvd, Rancho Cucamonga, CA, 91730	Rancho Cucamonga	San Bernardino	0	1.7485	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	11091 AVENUE 10 1/2, HANFORD, CA, 93230	HANFORD	Kings	0	0.7915	0	0	0	0	0	0	UWED
Goodwill Sacramento	11092 Coloma Rd, Rancho Cordova, CA, 95670-2856	Rancho Cordova	Sacramento	0	10	1.1525	0	0	0	0	0	UWED
Best Buy	11098 Foothill Blvd, Rancho Cucamonga, CA, 91730-3821	Rancho Cucamonga	San Bernardino	0	30	1.855	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	111 East Mill Street, San Bernardino, CA, 92408	San Bernardino	San Bernardino	330	0	8.65	0	0	0	0	0	UWED
Los Angeles Dept. of Water & Power	111 N Hope St Rm 1050, Los Angeles, CA, 90012-2607	Los Angeles	Los Angeles	0	9.9055	0.2855	0	0	0	0	0	UWED
Pacific Bell Telephone Company	111 N Union Ave, Los Angeles, CA, 90026-5407	Los Angeles	Los Angeles	0	1.719	0	0	0	0	0	0	UWED
Del Norte Regional Recycling &	111 S Del Norte Blvd, Oxnard, CA, 93030-7915	Oxnard	Ventura	0	110	40	0	0	0	0	0	UWED
Office Depot, Inc.	11100 Garden Grove Blvd, Garden Grove, CA, 92843	Garden Grove	Orange	0	0.501	0	0	0	0	0	0	UWED
Goodwill Sacramento	11101 Fair Oaks Blvd, Fair Oaks, CA, 95628-5178	Fair Oaks	Sacramento	0	0.5795	0.0515	0	0	0	0	0	UWED
Comcast Cable Communications Management LLC	1111 Andersen Drive, San Rafael, CA, 94901	San Rafael	Marin	0	5.7015	0	0	0	0	0	0	UWED

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Corporate Ewaste Solutions	1111 Columbus Ave., Bakersfield, CA, 93305	Bakersfield	Kern	0	1.3695	0.1745	0	0	0	0	0	UWED
Lockheed Martin Space	1111 Lockheed Martin Way, Sunnyvale, CA, 94089	Sunnyvale	Santa Clara	0	20	0	0	0	0	0	0	UWED
Attan Recycling Corporation	11111 Artesia Blvd, Cerritos, CA, 90703	Cerritos	Los Angeles	0	5.892	1.9205	0	0	0	0	0	UWED
Athens Services	11121 Pendleton St, Sun Valley, CA, 91352	Sun Valley	Los Angeles	0	1.1035	0.48	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	11130 Magnolia Rd, Grass Valley, CA, 95949	Grass Valley	Nevada	0	20	3.85	0	0	0	0	0	UWED
Goodwill industries of South	1115 Olive Dr, Bakersfield, CA, 93308-4141	Bakersfield	Kern	0	20	2.575	0	0	0	0	0	UWED
Onsite Electronics Recycling	11157 W. Larch Rd, Tracy, CA, 95304	Tracy	San Joaquin	0	0.168	0.043	0	0	0	0	0	UWED
Best Buy	11160 Rancho Carmel Dr, San Diego, CA, 92128-4672	San Diego	San Diego	0	30	1.8255	0	0	0	0	0	UWED
AT&T	1121 Jefferson, Redwood City, CA, 94063	Redwood City	San Mateo	0	0.1315	0	0	0	0	0	0	UWED
AMVETS Dept. of Ca Service Foundation	1121 N. Blackstone Ave, Tulare, CA, 93274	Tulare	Tulare	0	0.59	0.0165	0	0	0	0	0	UWED
my ewaste drop off	11223 11th Ave, Hesperia, CA, 92345	Hesperia	San Bernardino	0	0.714	0.3085	0	0	0	0	0	UWED
CR Transfer	11232 Knott Ave, Stanton, CA, 90680-2865	Stanton	Orange	0	2.3555	220	80	0	0	0	0	UWED
PG&E	11239 Midway, Chico, CA, 95928-8219	Chico	Butte	0	1.44	0	0	0	0	0	0	UWED
Kern County Public Works	11249 Stradley Ave, Delano, CA, 93215-9443	Delano	Kern	0	100	60	0	0	0	0	0	UWED
Attan Recycling Corporation	1126 Calimesa Blvd, Calimesa, CA, 92320	Calimesa	San Bernardino	0	4.0485	1.513	0	0	0	0	0	UWED
Costco Wholesale Corporation	11260 White Rock Rd, Rancho Cordova, CA, 95742	Rancho Cordova	Sacramento	0	3.796	0.0205	0	0	0	0	0	UWED
Amazon.com Services, LLC	11263 Oleander Ave, Fontana, CA, 92337	Fontana	San Bernardino	0	10	0	0	0	0	0	0	UWED
Best Buy	1127 Industrial Rd, San Carlos, CA, 94070-4106	San Carlos	San Mateo	0	50	2.563	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1129 B St, Hayward, CA, 94541-4201	Hayward	Alameda	0	0.1475	0	0	0	0	0	0	UWED
Office Depot, Inc.	1130 Blossom Hill Rd, San Jose, CA, 95118	San Jose	Santa Clara	0	1.298	0.039	0	0	0	0	0	UWED
Costco Wholesale Corporation	1130 Broadway, Chula Vista, CA, 91911	Chula Vista	San Diego	0	4.3695	0.0325	0	0	0	0	0	UWED
Office Depot, Inc.	1130 E Colorado Blvd, Pasadena, CA, 91106	Pasadena	Los Angeles	0	5.435	0	0	0	0	0	0	UWED
Goodwill SOLAC	1130 Redondo Ave, Long Beach, CA, 90804-3933	Long Beach	Los Angeles	0	7.166	2.165	0	0	0	0	0	UWED

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Office Depot, Inc.	1130 W Branch St, Arroyo Grande, CA, 93420	Arroyo Grande	San Luis Obispo	0	3.077	0.0475	0	0	0	0	0	UWED
Best Buy	11301 W Pico Blvd, Los Angeles, CA, 90064-1703	Los Angeles	Los Angeles	0	50	3.2245	0	0	0	0	0	UWED
Republic Waste Services of Southern California	1131 N Blue Gum St, Anaheim, CA, 92806-2408	Anaheim	Orange	0	40	40	0	0	0	0	0	UWED
E-recycling of California	1135 E Highland Ave, San Bernardino, CA, 92404-4605	San Bernardino	San Bernardino	0	3.4635	2.3045	0	0	0	0	0	UWED
XP Power, LLC	11383 Prospect Drive, Jackson, CA, 95642	Jackson	Amador	0	0.327	0	0	0	0	0	0	UWED
Attan Recycling Corporation	114 N Azusa Ave, Covina, CA, 91722-3604	Covina	Los Angeles	0	110	40	0	0	0	0	0	UWED
Kern County Public Works	11400 Boron Avenue, Boron, CA, 93516	Boron	Kern	0	9.5315	8.528	0	0	0	0	0	UWED
Los Angeles Dept. of Water & Power	1141 W. 2nd Street, Los Angeles, CA, 90012	Los Angeles	Los Angeles	0	2.861	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	1141 West Avenue L, Lancaster, CA, 93534	Lancaster	Los Angeles	0	5.519	0.013	0	0	0	0	0	UWED
Environmental Regulatory Compliance, LLC	1145 E. Orange Show Rd., San Bernardino, CA, 92408	San Bernardino	San Bernardino	0	2.075	0.1	0	0	0	0	0	UWED
PSC Environmental Services	1145 E. Taylor St, Vista, CA, 92084	Vista	San Diego	0	80	20	0	0	0	0	0	UWED
Goodwill Sacramento	1145 Sutton Way, Grass Valley, CA, 95945	Grass Valley	Nevada	0	10	1.136	0	0	0	0	0	UWED
Goodwill SOLAC	1145 W. Artesia Blvd., Suite A, Manhattan Beach, CA, 90266	Manhattan Beach	Los Angeles	0	7.166	2.165	0	0	0	0	0	UWED
Safety-Kleen Systems, Inc.	1147 N 10th St, San Jose, CA, 95112-4410	San Jose	Santa Clara	0	30	0	0	0	0	0	0	UWED
S & D Recycling	1149 Kansas Ave, Modesto, CA, 95351-1525	Modesto	Stanislaus	0	50	90	0	0	0	0	0	UWED
TKO Recycling	11493 Folsom Blvd, Rancho Cordova, CA, 95742-6207	Rancho Cordova	Sacramento	0	1.965	0	0	0	0	0	0	UWED
Attan Recycling Corporation	115 N. Harbor Blvd, La Habra, CA, 90631	La Habra	Orange	0	3.0925	0.602	0	0	0	0	0	UWED
Pacific Bell Telephone Company	115 S Curry St, Tehachapi, CA, 93561-1601	Tehachapi	Kern	0	0.506	0	0	0	0	0	0	UWED
Hinds Hospice	115 SHAW AVE, Clovis, CA, 93612	Clovis	Fresno	2190	0	0.65	0	0	0	0	0	UWED
West Valley MRF and Transfer	1150 S Tippecanoe Ave, San Bernardino, CA, 92408-2909	San Bernardino	San Bernardino	0	100	1.635	0	0	0	0	0	UWED
Attan Recycling Corporation	11525 South St, Cerritos, CA, 90703	Cerritos	Los Angeles	0	3.6515	0.555	0	0	0	0	0	UWED
UCSC	1156 High St, Santa Cruz, CA, 95064-1077	Santa Cruz	Santa Cruz	0	10	1.211	0	0	0	0	0	UWED



Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Comcast Cable Communications Management LLC	11570 California 9, Brookdale, CA, 95007	Brookdale	Santa Cruz	0	30	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1160 Dell Ave, Campbell, CA, 95008-6640	Campbell	Santa Clara	0	0.2675	0	0	0	0	0	0	UWED
A&J Electronics Recycling E-Waste	1160 Saint Joseph Ave, Los Altos, CA, 94024-6755	Los Altos	Santa Clara	0	1.7785	0.642	0	0	0	0	0	UWED
Costco Wholesale Corporation	11600-A Riverside Dr, Mira Loma, CA, 91752-3700	Mira Loma	Riverside	0	1.5055	0	0	0	0	0	0	UWED
East Valley Diversion	11616 Sheldon St, Sun Valley, CA, 91352-1503	Sun Valley	Los Angeles	0	0.727	0.309	0	0	0	0	0	UWED
Enviro - We USA llc	11655 Duenda Rd, San Diego, CA, 92127-1110	San Diego	San Diego	0	7.104	2.2805	0	0	0	0	0	UWED
DISH Network	11675 E Palm Ave, Manteca, CA, 95337-9556	Manteca	San Joaquin	0	1.1765	0	0	0	0	0	0	UWED
Office Depot, Inc.	117 Plaza Dr, Vallejo, CA, 94591	Vallejo	Solano	0	0.245	0	0	0	0	0	0	UWED
The Salvation Army ARC SF	1170 Mission Rd, South San Francisco, CA, 94080-1303	South San Francisco	San Mateo	0	5.7055	1.022	0	0	0	0	0	UWED
Best Buy	1173 Simi Town Center Way, Simi Valley, CA, 93065-0512	Simi Valley	Ventura	0	30	1.533	0	0	0	0	0	UWED
Los Angeles Dept. of Water & Power	11781 Truesdale St, Sun Valley, CA, 91352-1030	Sun Valley	Los Angeles	0	8.9785	0.6385	0	0	0	0	0	UWED
DIRECTV, LLC	118 East Ross Avenue, El Centro, CA, 92243	El Centro	Imperial	0	0.5405	0	0	0	0	0	0	UWED
SERRF-Covanta Energy	118 Pier S Ave, Long Beach, CA, 90802-1039	Long Beach	Los Angeles	0	0.2105	0	0	0	0	0	0	UWED
Meta Platforms, Inc.	1180 Hamilton Court, Menlo Park, CA, 94025	Menlo Park	San Mateo	0	4.7535	0	0	0	0	0	0	UWED
OLM Recycling Services	1180 Murphy, San Jose, CA, 95131	San Jose	Santa Clara	0	1.1175	0.6	0	0	0	0	0	UWED
Costco Wholesale Corporation	11800 4th Street, Rancho Cucamonga, CA, 91739	Rancho Cucamonga	San Bernardino	0	3.788	0	0	0	0	0	0	UWED
Best Buy	1182 Admiral Callaghan Ln, Vallejo, CA, 94591-3700	Vallejo	Solano	0	10	0.6795	0	0	0	0	0	UWED
Clear Blue Environmental	1185 N. Van Horne Way, Anaheim, CA, 92806	Anaheim	Orange	0	1.46	0.1005	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1188 W Evelyn Ave, Sunnyvale, CA, 94086-5742	Sunnyvale	Santa Clara	0	1.8025	0	0	0	0	0	0	UWED
Best Buy	11885 Community Road, Poway, CA, 92064	Poway	San Diego	0	30	1.525	0	0	0	0	0	UWED
AT&T	1189 58th Ave, Oakland, CA, 94621-3901	Oakland	Alameda	0	2.438	0	0	0	0	0	0	UWED
Marborg Industries	119 N Quarantina St, Santa Barbara, CA, 93103-3321	Santa Barbara	Santa Barbara	0	150	30	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
North Valley Waste Management	119 Ord Ranch Rd, Gridley, CA, 95948-9403	Gridley	Butte	0	10	0.0815	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1199 Indiana St, San Francisco, CA, 94107-3405	San Francisco	San Francisco	0	2.8135	0	0	0	0	0	0	UWED
Attan Recycling Corporation	120 E. Colorado St., Glendale, CA, 91205	Glendale	Los Angeles	0	2.9465	2.233	0	0	0	0	0	UWED
Best Buy	120 Imperial Hwy, Fullerton, CA, 92835-1019	Fullerton	Orange	0	30	1.909	0	0	0	0	0	UWED
Waste Management	1200 W City Ranch Rd, Palmdale, CA, 93551-4456	Palmdale	Los Angeles	0	40	60	0	0	0	0	0	UWED
Office Depot, Inc.	1200 W Valley Blvd, Alhambra, CA, 91803	Alhambra	Los Angeles	0	1.218	0.012	0	0	0	0	0	UWED
PSC Environmental Services	1200 W. 170th St, Gardena, CA, 90247	Gardena	Los Angeles	0	7.9055	1.872	0	0	0	0	0	UWED
Schnitzer Steel Industries	12000 Folsom Blvd, Rancho Cordova, CA, 95742-6302	Rancho Cordova	Sacramento	0	0.2	0	0	0	0	0	0	UWED
Kern County Public Works	12001 Tehachapi Blvd, Tehachapi, CA, 93561	Tehachapi	Kern	0	50	30	0	0	0	0	0	UWED
City of Whittier	12016 Hadley St, Whittier, CA, 90601-3910	Whittier	Los Angeles	0	5	2.5425	0	0	0	0	0	UWED
Charter Communications	12051 Industry Street, Garden Grove, CA, 92841	Garden Grove	Orange	0	40	0	0	0	0	0	0	UWED
Staples, Inc.	12060 Industry Blvd, Jackson, CA, 95642-9310	Jackson	Amador	0	5.4645	0.244	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	1207 W City Ranch Rd, Palmdale, CA, 93551-4456	Palmdale	Los Angeles	0	80	20	0	0	0	0	0	UWED
Attan Recycling Corporation	1208 Magnolia Ave, Corona, CA, 92881	Corona	San Bernardino	0	8.29	1.719	0	0	0	0	0	UWED
my ewaste drop off	1209 N Glendora Ave, Covina, CA, 91724	Covina	Los Angeles	0	3.935	2.437	0	0	0	0	0	UWED
Staples, Inc.	121 Bernal Rd, San Jose, CA, 95119-1396	San Jose	Santa Clara	0	8.7135	0.413	0	0	0	0	0	UWED
Corporate Ewaste Solutions	121 S Hope Ave, Santa Barbara, CA, 93105	Santa Barbara	Santa Barbara	0	60	7.83	0	0	0	0	0	UWED
Goodwill of San Francisco	121 Wisconsin St, San Francisco, CA, 94107	San Francisco	San Francisco	0	150	0	0	0	0	0	0	UWED
Enviro - We USA llc	1210 Broadway, Chula Vista, CA, 91911	Chula Vista	San Diego	0	4.827	3.312	0	0	0	0	0	UWED
Best Buy	12118 Lakewood Blvd, Downey, CA, 90242-2658	Downey	Los Angeles	0	10	0.841	0	0	0	0	0	UWED
Los Angeles Dept. of Water & Power	1212 Palmetto Street, Los Angeles, CA, 90013	Los Angeles	Los Angeles	0	0.4025	0	0	0	0	0	0	UWED
Goodwill of San Francisco	1215 California Dr, Burlingame, CA, 94010-3401	Burlingame	San Mateo	0	3.956	0.294	0	0	0	0	0	UWED

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A&G ELECTRONICS	12155 magnolia ave # 4 H, Riverside, CA, 92503	Riverside	Riverside	0	200	100	0	0	0	0	0	UWED
Costco Wholesale Corporation	12155 Tech Center Drive, Poway, CA, 92064	Poway	San Diego	0	7.316	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1219 S Mount Shasta Blvd, Mount Shasta, CA, 96067-2758	Mount Shasta	Siskiyou	0	0.1515	0	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	1219 University Ave., San Diego, CA, 92103	San Diego	San Diego	2190	0	1.425	0	0	0	0	0	UWED
PG&E	1220 Andersen Dr, San Rafael, CA, 94901-5332	San Rafael	Marin	0	0.75	0	0	0	0	0	0	UWED
Meta Platforms, Inc.	1220 Hamilton Court, Menlo Park, CA, 94025	Menlo Park	San Mateo	0	40	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	1220 West Foothill Boulevard, Azusa, CA, 91702	Azusa	Los Angeles	0	7.952	0	0	0	0	0	0	UWED
Greater Valley Conservation Corps	12200 Airport Rd, Jackson, CA, 95642	Jackson	Amador	0	1.272	1.477	0.2805	0	0	0	0	UWED
e-Recycling of California	1221 Memorial Drive, Hollister, CA, 95023	Hollister	San Benito	0	7.5	2.06	0	0	0	0	0	UWED
Attan Recycling Corporation	12221 E Carson St, Hawaiian Gardens, CA, 90716	Hawaiian Gardens	Los Angeles	0	8.4875	1.5985	0	0	0	0	0	UWED
Fortune Metal Inc of RI	12234 Florence Ave, Santa Fe Springs, CA, 90670	Santa Fe Springs	Los Angeles	0	60	0	0	0	0	0	0	UWED
Attan Recycling Corporation	12255 Pigeon Pass RD, Moreno Valley, CA, 92557	Moreno Valley	Riverside	0	20	8.0305	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	1227 Eastlake Pkwy, Chula Vista, CA, 91915	Chula Vista	San Diego	0	5.4295	3.4695	0	0	0	0	0	UWED
Best Buy	12281 Limonite Ave, Mira Loma, CA, 91752-3669	Mira Loma	Riverside	0	10	0.8475	0	0	0	0	0	UWED
Enviro - We USA llc	1229 E Valley Pkwy, Escondido, CA, 92027	Escondido	San Diego	0	5.846	3.2645	0	0	0	0	0	UWED
Best Buy	123 Orangefair Mall, Fullerton, CA, 92832-3039	Fullerton	Orange	0	10	0.647	0	0	0	0	0	UWED
Canon USA, Inc.	123 Paularino Ave., Costa Mesa, CA, 92626	Costa Mesa	Orange	0	1.4675	0	0	0	0	0	0	UWED
Recology Auburn Placer	12305 Shale Ridge Ln, Auburn, CA, 95602-8879	Auburn	Placer	0	80	30	0	0	0	0	0	UWED
County of Santa Cruz	1231 Buena Vista Dr, Watsonville, CA, 95076-8310	Watsonville	Santa Cruz	0	30	40	0	0	0	0	0	UWED
BROWNING-FERRIS INDUSTRIES OF CALIFORNIA, INC.	12310 San Mateo Rd, Half Moon Bay, CA, 94019-7112	Half Moon Bay	San Mateo	0	10	0	0.62	0	0	0	0	UWED
Attan Recycling Corporation	12319 South Norwalk Blvd, Norwalk, CA, 90650	Norwalk	Los Angeles	0	3.755	0.7675	0	0	0	0	0	UWED
Costco Wholesale Corporation	12324 Hoxie Avenue, Norwalk, CA, 90650	Norwalk	Los Angeles	0	5.4475	0	0	0	0	0	0	UWED

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PSC Environmental Services	12325 Crosthwaite Circle, Poway, CA, 92064	Poway	San Diego	0	70	10	0	0	0	0	0	UWED
Foothill De Anza College District	12345 S El Monte Rd, Los Altos Hills, CA, 94022-4504	Los Altos Hills	Santa Clara	600	0	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	12350 Carmel Moutain Road, San Diego, CA, 92128	San Diego	San Diego	0	20	0	0	0	0	0	0	UWED
Best Buy	1236 Galleria Blvd, Roseville, CA, 95678-1950	Roseville	Placer	0	50	3.662	0	0	0	0	0	UWED
AT&T	124 W. Elm Street, Lodi, CA, 95240-2107	Lodi	San Joaquin	0	0.2525	0	0	0	0	0	0	UWED
Waste Management	1240 Navy Dr, Stockton, CA, 95206-1167	Stockton	San Joaquin	0	50	10	0	0	0	0	0	UWED
Office Depot, Inc.	1240 Vine St, Hollywood, CA, 90038	Hollywood	Los Angeles	0	0.192	0	0	0	0	0	0	UWED
Goodwill Sacramento	1242 Colusa Ave, Yuba City, CA, 95991	Yuba City	Sacramento	0	20	1.439	0	0	0	0	0	UWED
Comcast Cable Communications Management LLC	1242 National Dr, Sacramento, CA, 95834-1999	Sacramento	Sacramento	0	20	0	0	0	0	0	0	UWED
Attan Recycling Corporation	12431 Valley View St, Garden Grove, CA, 92845	Garden Grove	Orange	0	5.096	1.0265	0	0	0	0	0	UWED
Pacific Bell Telephone Company	12435 McCann Drive, Santa Fe Springs, CA, 90670	Santa Fe Springs	Los Angeles	0	8.425	0	0	0	0	0	0	UWED
DIRECTV, LLC	12450 Montague St, Pacoima, CA, 91331-2121	Pacoima	Los Angeles	0	10	0	0	0	0	0	0	UWED
Attan Recycling Corporation	12491 Valley View St, Garden Grove, CA, 92865	Garden Grove	Orange	0	10	4.077	0	0	0	0	0	UWED
Hinds Hospice	125 N D St., Madera, CA, 93638	Madera	Madera	6250	0	3.375	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	1250 E Holt Ave, Pomona, CA, 91767-5818	Pomona	Los Angeles	0	2.8425	5.8135	0	0	0	0	0	UWED
Attan Recycling Corporation	12500 E 183rd St, Cerritos, CA, 90703	Cerritos	Los Angeles	0	10	1.467	0	0	0	0	0	UWED
my ewaste drop off	12500 Indiana Ave, Riverside, CA, 92503	Riverside	Riverside	0	1.3985	0.898	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1251 N Red Gum St, Anaheim, CA, 92806-1832	Anaheim	Orange	0	3.9435	0	0	0	0	0	0	UWED
Mid Valley Disposal	1255 W Elm Ave, COALINGA, CA, 93210-2507	COALINGA	Fresno	40	0	0.75	0	0	0	0	0	UWED
Best Buy	12550 Amargosa Rd Ste C, Victorville, CA, 92392-7661	Victorville	San Bernardino	0	9.7985	0.591	0	0	0	0	0	UWED

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Enviro - We USA llc	1257 E Yorba Linda Blvd, Placentia, CA, 92870-3830	Placentia	Los Angeles	0	5.477	1.8295	0	0	0	0	0	UWED
Office Depot, Inc.	1260 W Henderson Ave, Porterville, CA, 93257	Porterville	Tulare	0	2.0775	0.031	0	0	0	0	0	UWED
Cox Communications, Inc.	1264 Auto Parkway, Escondido, CA, 92029	Escondido	San Diego	0	0.739	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1264 Callens Rd, Ventura, CA, 93003-5615	Ventura	Ventura	0	0.944	0	0	0	0	0	0	UWED
BGLG Enterprises, LLC	12655 Bluff Creek Drive, LOS ANGELES, CA, 90094	LOS ANGELES	Los Angeles	0	0.0125	0	0	0	0	0	0	UWED
Los Angeles Dept. of Water & Power	12700 Vista Del Mar, Playa Del Rey, CA, 90291	Playa Del Rey	Los Angeles	0	0.163	0	0	0	0	0	0	UWED
AT&T	12722 Birch Ave, Hawthorne, CA, 90250-3912	Hawthorne	Los Angeles	0	0.225	0	0	0	0	0	0	UWED
CR&R INC.	12739 Lakeland Rd, Santa Fe Springs, CA, 90670-4632	Santa Fe Springs	Los Angeles	0	7.296	30	0	0	0	0	0	UWED
Corporate Ewaste Solutions	1275 Broadway Plaza, Wlanut Creek, CA, 94596	Wlanut Creek	Contra Costa	0	4.8355	0.3295	0	0	0	0	0	UWED
Office Depot, Inc.	1275 E Valley Pkwy, Escondido, CA, 92027	Escondido	San Diego	0	3.3405	0	0	0	0	0	0	UWED
Goodwill Industries	1275 S Main St, Salinas, CA, 93901-2185	Salinas	Monterey	0	1.837	0.95	0	0	0	0	0	UWED
PG&E	12769 Earhart Ave, Auburn, CA, 95602	Auburn	Placer	0	2.49	0	0.35	0	0	0	0	UWED
The Salvation Army	12769 Foothill Blvd, Rancho Cucamonga, CA, 91739	Rancho Cucamonga	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED
Riverside County ARC	1280 E 6th St, Corona, CA, 92879-1617	Corona	Riverside	0	60	20	0	0	0	0	0	UWED
DIRECTV, LLC	12800 Culver Blvd, Los Angeles, CA, 90066-6706	Los Angeles	Los Angeles	0	10	0	0	0	0	0	0	UWED
Goodwill SOLAC	12827 Pioneer Blvd, Norwalk, CA, 90650-2858	Norwalk	Los Angeles	0	7.166	2.165	0	0	0	0	0	UWED
Onsite Electronics Recycling	1290 Lilac Street, Lodi, CA, 95242	Lodi	San Joaquin	0	0.686	0.7735	0	0	0	0	0	UWED
Office Depot, Inc.	12900 Foothill Blvd, Sylmar, CA, 91342	Sylmar	Los Angeles	0	2.9515	0	0	0	0	0	0	UWED
AT&T	12900 Park Plaza Drive, Cerritos, CA, 90703	Cerritos	Los Angeles	0	0.125	0	0	0	0	0	0	UWED
AMVETS Dept. of Ca Service Foundation	12909 Rancho Penasquitos Blvd, San Diego, CA, 92129	San Diego	San Diego	0	7.046	0.871	0	0	0	0	0	UWED
Pacific Bell Telephone Company	12920 Earhart Ave, Auburn, CA, 95602-9538	Auburn	Placer	0	0.5385	0	0	0	0	0	0	UWED
Enviro - We USA llc	12961 W Chapman Ave, Garden Grove, CA, 92840	Garden Grove	Orange	0	1.4985	1.24	0	0	0	0	0	UWED

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Best Buy	12989 Park Plaza Dr, Cerritos, CA, 90703-8565	Cerritos	Los Angeles	0	20	1.0625	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	130 North Raymond Ave, Fullerton, CA, 92831	Fullerton	Orange	0	9.6145	1.584	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	130 W Bruno Street, Los Angeles, CA, 90012	Los Angeles	Los Angeles	0	0.1805	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	1300 Block of Bridge Gate Drive, Diamond Bar, CA, 91765	Diamond Bar	Los Angeles	0	10	4.8595	0	0	0	0	0	UWED
Costco Wholesale Corporation	1300 Dana Drive, Redding, CA, 96003	Redding	Shasta	0	5.3755	0	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	1300 Golden Rule Lane, Lake Arrowhead, CA, 92352	Lake Arrowhead	San Bernardino	0	6.2165	4.2655	4.2655	0	0	0	0	UWED
City of Folsom Hazmat Division	1300 Leidesdorff St, Folsom, CA, 95630-2449	Folsom	Sacramento	0	70	20	0	0	0	0	0	UWED
Comcast Cable Communications Management LLC	1300 Valley House Dr, Rohnert Park, CA, 94928-4927	Rohnert Park	Sonoma	0	5.932	0.064	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1301 Edinger Ave, Tustin, CA, 92780-6412	Tustin	Orange	0	5.387	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1301 Tharp Rd, Yuba City, CA, 95993-2671	Yuba City	Sutter	0	1.273	0	0	0	0	0	0	UWED
Best Buy	13017 Peyton Dr, Chino Hills, CA, 91709-6005	Chino Hills	San Bernardino	0	10	0.8525	0	0	0	0	0	UWED
Safety-Kleen Systems, Inc.	13024 Bradley Ave, Sylmar, CA, 91342-3831	Sylmar	Los Angeles	0	0	0	0.035	0	0	0	0	UWED
CEAR, Inc	13025 Bel Air Dr, Auburn, CA, 95603-9583	Auburn	Placer	0	9.6705	10	0	0	0	0	0	UWED
mk electronics	13037 Lakeland Rd Ste A, Santa Fe Springs, CA, 90670-4561	Santa Fe Springs	Los Angeles	0	260	20	0	0	0	0	0	UWED
my ewaste drop off	13050 2nd St, Chino, CA, 91710	Chino	San Bernardino	0	0.3475	0.183	0	0	0	0	0	UWED
Pacific Bell Telephone Company	13062 Euclid St, Garden Grove, CA, 92843-1334	Garden Grove	Orange	0	3.808	0	0	0	0	0	0	UWED
Best Buy	1307 E Gladstone St, Glendora, CA, 91740-5368	Glendora	Los Angeles	0	20	1.051	0	0	0	0	0	UWED
Goodwill SOLAC	1307-2 W Sepulveda Blvd., Torrance, CA, 90710	Torrance	Los Angeles	0	3.583	1.0825	0	0	0	0	0	UWED
Attan Recycling Corporation	13075 Euclid St, Garden Grove, CA, 92843	Garden Grove	Orange	0	4.92	0.967	0	0	0	0	0	UWED
my ewaste drop off	131 E Riverside Dr., Ontario, CA, 91761	Ontario	San Bernardino	0	6.5595	7.598	0	0	0	0	0	UWED
D & S Electronic Recycling	1310 N. Crystal Ave #104, Fresno, CA, 93728	Fresno	Fresno	0	0	240	0	0	0	0	0	UWED
Costco Wholesale Corporation	13111 Peyton Drive, Chino Hills, CA, 91709	Chino Hills	San Bernardino	0	2.6225	0	0	0	0	0	0	UWED

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Goodwill industries of South	13121 Rosedale Hwy, Bakersfield, CA, 93314	Bakersfield	Kern	0	10	0	0	0	0	0	0	UWED
Mission Trail Waste Systems, Inc.	1313 Memorex Dr, Santa Clara, CA, 95050-2836	Santa Clara	Santa Clara	0	100	0	0	0	0	0	0	UWED
Disneyland Resort	1313 S. Harbor Blvd., Anaheim, CA, 92803	Anaheim	Orange	0	20	0	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	13140 Poway Rd., Poway, CA, 92064	Poway	San Diego	7520	0	4.625	0	0	0	0	0	UWED
St. Jude Medical CRMD	13151 Telfair Ave, Sylmar, CA, 91342-3574	Sylmar	Los Angeles	0	8.5635	0	0	0	0	0	0	UWED
pleasant Paper Recycling Inc	1320 Galaxy Way, Concord, CA, 94520-4965	Concord	Contra Costa	0	20	10	0	0	0	0	0	UWED
WM of Woodland	1324 Paddock Pl, Woodland, CA, 95776-5919	Woodland	Yolo	0	1.137	0.0265	0	0	0	0	0	UWED
Goodwill Industries	1325 N Main St, Salinas, CA, 93906-2828	Salinas	Monterey	0	0.0005	1.675	0	0	0	0	0	UWED
Corporate Ewaste Solutions	13273 California St., Yucaipa, CA, 92399	Yucaipa	San Bernardino	0	2.6525	0.45	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1330 16th St, San Francisco, CA, 94103-5108	San Francisco	San Francisco	0	1.2405	0	0	0	0	0	0	UWED
Apple, Inc	1330 Kifer Rd, Sunnyvale, CA, 94086-5398	Sunnyvale	Santa Clara	0	990	6.418	0	0	0	0	0	UWED
my ewaste drop off	1330 W 15th St, Upland, CA, 91786	Upland	San Bernardino	0	2.6405	1.6895	0	0	0	0	0	UWED
Central Valley Waste	1333 E Turner Rd, Lodi, CA, 95240-0730	Lodi	San Joaquin	0	20	1.4885	0	0	0	0	0	UWED
Kern County Public Works	13351 Elk Hills Road, Taft, CA, 93268	Taft	Kern	0	20	10	0	0	0	0	0	UWED
West Valley MRF and Transfer	13373 Napa St, Fontana, CA, 92335-2930	Fontana	San Bernardino	0	50	90	0	0	0	0	0	UWED
Costco Wholesale Corporation	1339 North Davis Road, Salinas, CA, 93907	Salinas	Monterey	0	4.0225	0.0035	0	0	0	0	0	UWED
Recology Yuba-Sutter	134 Burns Dr, Yuba City, CA, 95991-7208	Yuba City	Sutter	0	40	10	0	0	0	0	0	UWED
Enviro - We USA Ilc	134 N El Camino Real, Encinitas, CA, 92024	Encinitas	San Diego	0	0.901	0.4235	0	0	0	0	0	UWED
Mate Enterprises, Inc.	13402 Palm Street, Garden Grove, CA, 92843	Garden Grove	Orange	0	1.199	0.8315	0	0	0	0	0	UWED
Enviro - We USA Ilc	1341 W Channel Island Blvd, Oxnard, CA, 93033	Oxnard	Ventura	0	3.6035	2.4365	0	0	0	0	0	UWED
Sonoma County Waste Management Agency	13450 Pocket Rd./Hwy 116, Guerneville, CA, 95446	Guerneville	Sonoma	0	40	10	0	0	0	0	0	UWED
Costco Wholesale Corporation	13463 Washington Boulevard, Marina Del Rey, CA, 90292	Marina Del Rey	Los Angeles	0	8.7785	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	135 WHITTLEY AVE, AVALON, CA, 90704	AVALON	Los Angeles	0	0.15	0	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Conservation Corps North Bay	1350 Bennett Valley Rd, Santa Rosa, CA, 95404	Santa Rosa	Sonoma	0	10	1.5095	0	0	0	0	0	UWED
Recology	1351 Pacheco Pass Hwy, Gilroy, CA, 95020	Gilroy	Santa Clara	0	2.232	1.6195	0	0	0	0	0	UWED
Best Buy	13510 Paxton St, Pacoima, CA, 91331-2352	Pacoima	Los Angeles	0	20	1.2825	0	0	0	0	0	UWED
DIRECTV, LLC	1355 Abbott St Ste 4, Salinas, CA, 93901-4566	Salinas	Monterey	0	5.729	0	0	0	0	0	0	UWED
Southern California Mountains Foundation	1355 W 26th St, San Bernardino, CA, 92405-3028	San Bernardino	San Bernardino	0	10	9.6355	0	0	0	0	0	UWED
Costco Wholesale Corporation	13550 W Paxton St, Pacoima, CA, 91331	Pacoima	Los Angeles	0	4.1265	0	0	0	0	0	0	UWED
Staples, Inc.	1358 W Valley Pkwy, Escondido, CA, 92029-2139	Escondido	San Diego	0	6.974	0.2805	0	0	0	0	0	UWED
Goodwill Sacramento	1360 E Natoma St Ste 150, Folsom, CA, 95630-5714	Folsom	Sacramento	0	1.1175	0.099	0	0	0	0	0	UWED
E-recycling of California	1367 N. California, San Bernardino, CA, 92411	San Bernardino	San Bernardino	0	0.9185	0.521	0	0	0	0	0	UWED
Urban Corps of San Diego County	137 N El Camino Real, Encinitas, CA, 92024	Encinitas	San Diego	0	30	3.5425	0	0	0	0	0	UWED
San Bernardino Co Fire-HHW	1370 N Benson Ave, Upland, CA, 91786-2163	Upland	San Bernardino	0	40	4.925	0	0	0	0	0	UWED
Grand Central Recycling & Transfer Station, Inc.	1371 E 9th St, Pomona, CA, 91766-3832	Pomona	Los Angeles	0	9.5335	8.8835	0	0	0	0	0	UWED
Office Depot, Inc.	13728 Jamboree Rd, Irvine, CA, 92602	Irvine	Orange	0	0.637	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	13732 Newhope St, Garden Grove, CA, 92843-3713	Garden Grove	Orange	0	0.9645	0	0	0	0	0	0	UWED
E-recycling of California	13793 Redwood Ave., Chino, CA, 91710	Chino	San Bernardino	0	4.9275	1.256	0	0	0	0	0	UWED
Waste Management	13793 Redwood St, Chino, CA, 91710-5506	Chino	San Bernardino	0	10	10	0	0	0	0	0	UWED
Phillips 66 Rodeo Refinery	1380 San Pablo Avenue, Rodeo, CA, 94572	Rodeo	Contra Costa	320	0	0.1	0	0	0	0	0	UWED
Attan Recycling Corporation	13852 Red Hill Ave, Tustin, CA, 92780	Tustin	Orange	0	0.8395	0.3135	0	0	0	0	0	UWED
Evergreen IT Solutions	139 Belhaven Drive, Los Gatos, CA, 95032	Los Gatos	Santa Clara	0	4.419	0	0	0	0	0	0	UWED
Waste Management Baldwin Park	13940 Live Oak Ave, Baldwin Park, CA, 91706-1321	Baldwin Park	Los Angeles	0	40	50	0	0	0	0	0	UWED
Mate Enterprises, Inc.	1395 E Foothill Pkwy, Corona, CA, 92881	Corona	Riverside	0	3.088	1.025	0	0	0	0	0	UWED
Recycling Industries	140 Epley Dr, Yuba City, CA, 95991-7221	Yuba City	Sutter	0	20	4.2065	0	0	0	0	0	UWED



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DIRECTV, LLC	140 Station Ave, Ridgecrest, CA, 93555-3838	Ridgecrest	Kern	0	0.993	0	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	140 W Hillcrest Dr, Thousand Oaks, CA, 91360-4221	Thousand Oaks	Ventura	0	20	3.183	0	0	0	0	0	UWED
e-Recycling of California	1400 Broadway St, Redwood City, CA, 94063-2505	Redwood City	San Mateo	0	3.3295	0.2235	0	0	0	0	0	UWED
Keysight Technologies, Inc.	1400 Fountaingrove Pkwy, Santa Rosa, CA, 95403-1738	Santa Rosa	Sonoma	0	10	0	0.36	0	0	0	0	UWED
City of Los Angeles	1400 N Gaffey St, San Pedro, CA, 90731-1326	San Pedro	Los Angeles	0	310	60	0	0	0	0	0	UWED
Los Angeles Conservation Corps	1400 N. Spring St., Los Angeles, CA, 90012	Los Angeles	Los Angeles	0	20	30	0	0	0	0	0	UWED
Riverside County ARC	1400 W Florida Ave, Hemet, CA, 92543-3809	Hemet	Riverside	0	4.558	1.414	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	1401 Hanson Ln, Ramona, CA, 92065	Ramona	San Diego	0	2.949	1.637	0	0	0	0	0	UWED
Hinds Hospice	1404 Robertson Blvd, Chowchilla, CA, 93610	Chowchilla	Madera	400	0	0.375	0	0	0	0	0	UWED
Athens Services MRF	14048 Valley Blvd, La Puente, CA, 91746-2801	La Puente	Los Angeles	0	1.3685	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1405 S California Ave, Los Banos, CA, 93635-4613	Los Banos	Merced	0	0.148	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	1405 W Cameron Ave, Visalia, CA, 93277	Visalia	Tulare	0	8.0115	0	0	0	0	0	0	UWED
AT&T	1407 J St, Sacramento, CA, 95814-2917	Sacramento	Sacramento	0	1.0605	0	0	0	0	0	0	UWED
Recology	14070 Llagas Ave, San Martin, CA, 95046-9565	San Martin	Santa Clara	0	30	7.1655	0	0	0	0	0	UWED
City of Redding Solid Waste Div	14095 Clear Creek Rd, Igo, CA, 96047	Igo	Shasta	0	50	30	0	0	0	0	0	UWED
Enviro - We USA llc	1410 E Plaza Blvd, National City, CA, 91950	National City	San Diego	0	5.549	2.378	0	0	0	0	0	UWED
General Atomics Aeronautical Inc.	14115 Stowe Dr, Poway, CA, 92064	Poway	San Diego	0	30	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1412 Granite Ln, Modesto, CA, 95351-1122	Modesto	Stanislaus	0	0.8695	0	0	0	0	0	0	UWED
The Salvation Army	1412 S Euclid Ave, Ontario, CA, 91762-5816	Ontario	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED
County of Los Angeles Department of Public Works	1415 Santa Anita Ave, South El Monte, CA, 91733-3311	South El Monte	Los Angeles	0	5.614	3.128	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1418 Broad Ave, Wilmington, CA, 90744-1516	Wilmington	Los Angeles	0	1.329	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	14181 Telegraph Road, Whittier, CA, 90604	Whittier	Los Angeles	0	5.1295	3.5815	0	0	0	0	0	UWED

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Pacific Bell Telephone Company	142 Ponderosa Dr, Sonora, CA, 95370-4818	Sonora	Tuolumne	0	0.2855	0	0	0	0	0	0	UWED
Kern County Public Works	1420 South H Street, Bakersfield, CA, 93301	Bakersfield	Kern	0	8.173	0.108	0	0	0	0	0	UWED
AT&T	1420 Tuolumne St, Fresno, CA, 93706-1624	Fresno	Fresno	0	0.5195	0	0	0	0	0	0	UWED
ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	14200 Chapman Street, San Leandro, CA, 94578	San Leandro	Alameda	0	4.9295	0.3525	0	0	0	0	0	UWED
MRWMD	14201 Del Monte Blvd., P.O. box 167, Marina, CA, 93933	Marina	Monterey	0	210	0	80	0	0	0	0	UWED
Charter Communications	14221 Covello Street, Van Nuys, CA, 91405	Van Nuys	Los Angeles	0	20	0	0	0	0	0	0	UWED
California Electronics Recycler	14235 Commerce Dr, Garden Grove, CA, 92843	Garden Grove	Orange	0	270	20	0	0	0	0	0	UWED
WOJO ENTERPRISE INC	1425 N MAGNOLIA AVE, EL CAJON, CA, 92020	EL CAJON	San Diego	0	40	30	0	0	0	0	0	UWED
Office Depot, Inc.	1427 S Bradley Rd, Santa Maria, CA, 93454	Santa Maria	Santa Barbara	0	3.6755	0.0925	0	0	0	0	0	UWED
Chocaholic, Inc. DBA 1-800-GOT-JUNK?	14270 Valley Blvd, La Puente, CA, 91746	La Puente	Los Angeles	0	10	0	20	0	0	0	0	UWED
yes we can e waste	1429 W. El Segundo Blvd, Gardena, CA, 90249	Gardena	Los Angeles	0	350	310	0	0	0	0	0	UWED
Attan Recycling Corporation	1430 E Covina Blvd, Covina, CA, 91724	Covina	Los Angeles	0	10	3.93	0	0	0	0	0	UWED
Charter Communications	14328 Lakewood Blvd, Bellflower, CA, 90706	Bellflower	Los Angeles	0	30	0	0	0	0	0	0	UWED
Greater Valley Conservation Corps	1440 Lander Ave, Stevinson, CA, 95374	Stevinson	Merced	0	0.194	0.1355	0.7955	0	0	0	0	UWED
Attan Recycling Corporation	14425 Moreno Beach Dr, Moreno Valley, CA, 92555	Moreno Valley	Riverside	0	6.097	2.5175	0	0	0	0	0	UWED
Costco Wholesale Corporation	1445 R Street, Merced, CA, 95340	Merced	Merced	0	90	0	0	0	0	0	0	UWED
Los Angeles Dept. of Water & Power	14453 Oxnard Street, Van Nuys, CA, 91401	Van Nuys	Los Angeles	0	0.6785	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	1450 State Hwy 2, Wrightwood, CA, 92397	Wrightwood	San Bernardino	0	2.126	0.6	0	0	0	0	0	UWED
Costco Wholesale Corporation	14501 Hindry Avenue, Hawthorne, CA, 90250	Hawthorne	Los Angeles	0	4.471	0	0	0	0	0	0	UWED
Enviro - We USA llc	1451 N Santa Fe Ave, Vista, CA, 92084	Vista	San Diego	0	1.494	0.495	0	0	0	0	0	UWED
Attan Recycling Corporation	1451 W Foothill Blvd, Rialto, CA, 92376	Rialto	San Bernardino	0	20	7.2435	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1452 Edinger, Tustin, CA, 92780-6246	Tustin	Orange	0	0.711	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	14555 Valley Center Crive, Victorville, CA, 92392	Victorville	San Bernardino	0	3.519	0.0085	0	0	0	0	0	UWED

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County of San Diego DEH	14567 Lyons Valley Road, Jamul, CA, 91935	Jamul	San Diego	0	2.6275	0.4645	0	0	0	0	0	UWED
The Salvation Army	14585 La Paz Dr, Victorville, CA, 92395	Victorville	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED
Allan Co	14618 Arrow Hwy, Baldwin Park, CA, 91706-1733	Baldwin Park	Los Angeles	0	30	20	0	0	0	0	0	UWED
Office Depot, Inc.	1465 Shaw Ave, Clovis, CA, 93611	Clovis	Fresno	0	0.533	0	0	0	0	0	0	UWED
Best Buy	1470 Mountain Ave, Duarte, CA, 91010-2435	Duarte	Los Angeles	0	20	0.9955	0	0	0	0	0	UWED
Pacific Bell Telephone Company	14709 Vanowen St, Van Nuys, CA, 91405-3819	Van Nuys	Los Angeles	0	1.4175	0	0	0	0	0	0	UWED
The Salvation Army	14716 7th St, Victorville, CA, 92395-4020	Victorville	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED
Recycle for Life, Inc	14731 Franklin Ave, Tustin, CA, 92780	Tustin	Orange	0	210	5.1825	0	0	0	0	0	UWED
USA Waste of California Inc. dba Waste Management of Nevada	14741 Wolf Mountain Rd, Grass Valley, CA, 95949-8734	Grass Valley	Nevada	0	140	0.9545	0	0	0	0	0	UWED
sunshine canyon landfill	14747 San Fernando Rd, Sylmar, CA, 91342-1021	Sylmar	Los Angeles	0	3.402	0.0625	0	0	0	0	0	UWED
PG&E	14750 KELSO ROAD, Byron, CA, 94514	Byron	Contra Costa	0	0.115	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1477 Huntington Ave, South San Francisco, CA, 94080-5933	South San Francisco	San Mateo	0	0.6095	0	0	0	0	0	0	UWED
Goodwill Industries of SJV	1477 W Yosemite Ave, Manteca, CA, 95337-5100	Manteca	San Joaquin	0	5.864	4.4505	0	0	0	0	0	UWED
Enviro - We USA llc	14780 S Harlan Rd, Lathrop, CA, 95330-9719	Lathrop	San Joaquin	0	0.495	0.616	0	0	0	0	0	UWED
Corporate Ewaste Solutions	14783 Carmenita Rd, Norwalk, CA, 90650	Norwalk	Los Angeles	0	1.538	0.55	0	0	0	0	0	UWED
Attan Recycling Corporation	1480 E 2nd St, Beaumont, CA, 92223-3160	Beaumont	Riverside	0	30	8.8315	0	0	0	0	0	UWED
City of Victorville	14800 7th St, Victorville, CA, 92395-4024	Victorville	San Bernardino	0	20	0	10	0	0	0	0	UWED
AT&T	14800 Ventura Blvd., Sherman Oaks, CA, 91403	Sherman Oaks	Los Angeles	0	0.95	0	0	0	0	0	0	UWED
Cox Communications, Inc.	149 Castilian Drive, Goleta, CA, 93117	Goleta	Santa Barbara	0	20	0	0	0	0	0	0	UWED
Best Buy	149 Fletcher Pkwy, El Cajon, CA, 92020-2510	El Cajon	San Diego	0	30	1.582	0	0	0	0	0	UWED
Best Buy	1490 Fitzgerald Dr, Pinole, CA, 94564-2227	Pinole	Contra Costa	0	20	1.219	0	0	0	0	0	UWED
Consolidated Disposal Service, LLC dba Republic Services	14905 S San Pedro St, Gardena, CA, 90248-2031	Gardena	Los Angeles	0	0.7405	0.404	0	0	0	0	0	UWED

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Gold'n West Surplus, Inc.	14955 Dale Evans Parkway, Apple Valley, CA, 92307	Apple Valley	San Bernardino	0	50	30	0	0	0	0	0	UWED
Goodwill Industries	15 Higuera St, San Luis Obispo, CA, 93401-5414	San Luis Obispo	San Luis Obispo	0	0.0135	60	0	0	0	0	0	UWED
Costco Wholesale Corporation	150 Lawrence Station Road, Sunnyvale, CA, 94086	Sunnyvale	Santa Clara	0	6.718	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	150 N Mill Creek Rd, Quincy, CA, 95971-9745	Quincy	Plumas	0	0.131	0	0	0	0	0	0	UWED
Community Services &	150 N Mirage Ave, Lindsay, CA, 93247-2538	Lindsay	Tulare	0	6.575	6.9	0	0	0	0	0	UWED
Pacific Bell Telephone Company	150 S Linden Ave, South San Francisco, CA, 94080-6409	South San Francisco	San Francisco	0	0.953	0	0	0	0	0	0	UWED
Gold'n West Surplus, Inc.	150 S. Palm Ave, Rialto, CA, 92376	Rialto	San Bernardino	0	20	8.5715	0	0	0	0	0	UWED
Environmental & Chemical Consulting, Inc.	1500 Crafton Ave, Mentone, CA, 92359-1329	Mentone	San Bernardino	0	30	1.325	0	0	0	0	0	UWED
Goodwill Industries	1500 Mission St, Santa Cruz, CA, 95060-4741	Santa Cruz	Santa Cruz	0	0.0195	90	0	0	0	0	0	UWED
DISH Network	1500 Potrero Ave, South El Monte, CA, 91733-3017	South El Monte	Los Angeles	0	1.509	0	0	0	0	0	0	UWED
Solid Wastes of Willits, Inc.	15000 Prairie Way, Caspar, CA, 95460	Caspar	Mendocino	0	20	20	0	0	0	0	0	UWED
Best Buy	1501 N Victory Pl, Burbank, CA, 91502-1647	Burbank	Los Angeles	0	30	1.67	0	0	0	0	0	UWED
Azusa Transfer and Material Recovery Facility	1501 W. Gladstone St., Azusa, CA, 91702	Azusa	Los Angeles	0	10	0.55	0	0	0	0	0	UWED
United Recycling	1503 Lone Palm, Modesto, CA, 95351	Modesto	Stanislaus	0	5.8755	0.0005	6.7605	0.0005	0	0	0	UWED
County of Santa Clara	1505 Schallenberger Rd, San Jose, CA, 95131-2434	San Jose	Santa Clara	0	1.3525	0.3575	0	0	0	0	0	UWED
Office Depot, Inc.	15100 Whittier Blvd, Whittier, CA, 90603	Whittier	Los Angeles	0	2.2835	0	0	0	0	0	0	UWED
Republic Services	1512 N. BONNIE BEACH PL, LOS ANGELES, CA, 90063	LOS ANGELES	Los Angeles	0	0.249	0.0445	0	0	0	0	0	UWED
Attan Recycling Corporation	1516 Amar Rd, West Covina, CA, 91792	West Covina	Los Angeles	0	9.2385	2.3715	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	15164 Anacapa Rd, Victorville, CA, 92392	Victorville	San Bernardino	0	70	50	0	0	0	0	0	UWED
Office Depot, Inc.	15166 Los Gatos Blvd, los gatos, CA, 95032	Los Gatos	Santa Clara	0	1.504	0	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	1520 Encinitas Blvd., Encinitas, CA, 92024	Encinitas	San Diego	4000	0	2.6	0	0	0	0	0	UWED
DIRECTV, LLC	1520 W LINDEN ST #A, RIVERSIDE, CA, 92507	RIVERSIDE	Riverside	0	10	0	0	0	0	0	0	UWED

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SES Secure E-Waste Solutions	1521 Hanson Ln, Ramona, CA, 92065	Ramona	San Diego	0	2.535	1.1285	0	0	0	0	0	UWED
PG&E	1524 N Carpenter Rd, Modesto, CA, 95351-1110	Modesto	Stanislaus	0	0.15	0	0	0	0	0	0	UWED
Attan Recycling Corporation	1528 E. Amar Rd, West Covina, CA, 91792	West Covina	Los Angeles	0	20	5.916	0	0	0	0	0	UWED
Mid Valley Disposal	15300 W Jensen Ave, Kerman, CA, 93630-9138	Kerman	Fresno	170	0	3.875	0	0	0	0	0	UWED
Attan Recycling Corporation	15301 Youngwood Dr, Whittier, CA, 90605-1345	Whittier	Los Angeles	0	5.02	1.191	0	0	0	0	0	UWED
Mid Valley Disposal	1535 Avenue 392, Kingsburg, CA, 93631	Kingsburg	Fresno	50	0	0.9	0	0	0	0	0	UWED
E-recycling of California	15350 Lambert Road, Whittier, CA, 90604	Whittier	Los Angeles	0	3.017	0.2695	0	0	0	0	0	UWED
DIRECTV, LLC	15372 Bonanza Rd, Victorville, CA, 92392-2410	Victorville	San Bernardino	0	3.031	0	0	0	0	0	0	UWED
AT&T Services, Inc.	15384 Arrow Blvd, Fontana, CA, 92335-3249	Fontana	San Bernardino	0	0.817	0	0	0	0	0	0	UWED
J.D. Fox Micro	1539 Sawtelle Blvd., Ste. 16, Los Angeles, CA, 90025	Los Angeles	Los Angeles	70	0	0	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	1539 Stowell Center Plz, Santa Maria, CA, 93458-7121	Santa Maria	Santa Barbara	0	0.354	0.061	0	0	0	0	0	UWED
Costco Wholesale Corporation	1540 Froom Ranch Way, San Luis Obispo, CA, 93405	San Luis Obispo	San Luis Obispo	0	2.6285	0	0	0	0	0	0	UWED
IBM Corporation	1540 Scenic Ave, Costa Mesa, CA, 92626-1408	Costa Mesa	Orange	0	40	0	0	0	0	0	0	UWED
Attan Recycling Corporation	15412 Goldenwest St, Westminster, CA, 92683	Westminster	Orange	0	5.2605	1.091	0	0	0	0	0	UWED
Communications Test Design, Inc.	1543 Alder Ave., Rialto, CA, 92376	Rialto	San Bernardino	0	1850	0	0	0	0	0	0	UWED
Best Buy	1547 Gateway Blvd, Fairfield, CA, 94533-6902	Fairfield	Solano	0	10	1.217	0	0	0	0	0	UWED
Attan Recycling Corporation	15471 Brookhurst St, Westminster, CA, 92683	Westminster	Orange	0	8.7435	1.812	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1548 N Carpenter Rd, Modesto, CA, 95351-1110	Modesto	Stanislaus	0	0.5735	0	0	0	0	0	0	UWED
Goodwill Industries	1550 41st Ave, Capitola, CA, 95010-2910	Capitola	Santa Cruz	0	5.429	3	0	0	0	0	0	UWED
Staples, Inc.	1550 Canyon Del Rey Blvd, Seaside, CA, 93955-3501	Seaside	Monterey	0	20	0.6295	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	15500 Espola Rd, Poway, CA, 92064	Poway	San Diego	0	2.936	1.235	0	0	0	0	0	UWED
Amazon.com Services, LLC	1555 N Chrisman Road, Tracy, CA, 95304	Tracy	San Joaquin	0	90	0	0	0	0	0	0	UWED
my ewaste drop off	1555 S. Redwood St., Escondido, CA, 92025	Escondido	San Diego	0	1.588	0.895	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
my ewaste drop off	15551 Summit Ave, Fontana, CA, 92336	Fontana	San Bernardino	0	0.4365	0.1885	0	0	0	0	0	UWED
Onsite Electronics Recycling	15557 5th St, Lathrop, CA, 95330-9804	Lathrop	San Joaquin	0	0.595	0.871	0	0	0	0	0	UWED
Conservation Corps North Bay	1557 Healdsburg Avenue, Healdsburg, CA, 95488	Healdsburg	Sonoma	0	8.4005	0.475	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	1560 Newbury Rd, Thousand Oaks, CA, 91320	Thousand Oaks	Ventura	0	5.071	0.8715	0	0	0	0	0	UWED
Enviro - We USA llc	1560 W Valley Pkwy, Escondido, CA, 92029	Escondido	San Diego	0	0.289	0.462	0	0	0	0	0	UWED
Corporate Ewaste Solutions	15600 Whittwood Lane, Whittier, CA, 90603	Whittier	Los Angeles	0	10	2.078	0	0	0	0	0	UWED
Goodwill Industries	1566 Moffett Street, Salinas, CA, 93905	Salinas	Monterey	0	0.008	40	0	0	0	0	0	UWED
SES Secure E-Ewaste Solutions	15665 Paseo Del Sur, San Diego, CA, 92127	San Diego	San Diego	0	9.2355	4.132	0	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	15670 Perris Blvd, Moreno Valley, CA, 92551-4612	Moreno Valley	Riverside	0	8.35	0.775	0	0	0	0	0	UWED
Amazon.com Services, LLC	1568 N Linden Ave, Rialto, CA, 92376	Rialto	San Bernardino	0	7.661	0	0	0	0	0	0	UWED
AT&T	15706 Paramount Blvd., Paramount, CA, 90723	Paramount	Los Angeles	0	0.2575	0	0	0	0	0	0	UWED
Enviro - We USA llc	1571 San Elijo Road, San Marcos, CA, 92708	San Marcos	San Diego	0	3.77	0.092	0	0	0	0	0	UWED
Attan Recycling Corporation	15740 Woodruff ave, Bellflower, CA, 90706	Bellflower	Los Angeles	0	9.5265	2.072	0	0	0	0	0	UWED
Attan Recycling Corporation	15776 Main St, Hesperia, CA, 92345-3461	Hesperia	San Bernardino	0	50	30	0	0	0	0	0	UWED
PG&E	158 Peabody Rd, Vacaville, CA, 95687-4729	Vacaville	Solano	0	0.2	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	15800 South Park Lane, Fontana, CA, 92336	Fontana	San Bernardino	0	1.782	0.278	0	0	0	0	0	UWED
TVI, INC.	15825 East Imperial Highway, La Mirada, CA, 90638	La Mirada	Los Angeles	0	20	0	0	0	0	0	0	UWED
San Jose Conservation Corps	1585 Fallen Leaf Drive, Milpitas, CA, 95035	Milpitas	Santa Clara	0	1.3125	0	0	0	0	0	0	UWED
City of Lompoc Landfill	1585 N V St, Lompoc, CA, 93436	Lompoc	Santa Barbara	0	7.5035	1.92	0	0	0	0	0	UWED
Corporate Ewaste Solutions	15871 Main St., Chino, CA, 91708	Chino	San Bernardino	0	1.7645	0.0475	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1590 Juliesse Ave, Sacramento, CA, 95815-1803	Sacramento	Sacramento	0	0.3355	0	0	0	0	0	0	UWED
St. Jude Medical CRMD	15900 VALLEY VIEW CT, SYLMAR, CA, 91342	SYLMAR	Los Angeles	0	10	0	0	0	0	0	0	UWED
Canon USA Inc.	15955 Alton Parkway, Irvine, CA, 92618	Irvine	Orange	0	20	0	0	0	0	0	0	UWED

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Waste Management	15999 Guadalupe Mines Rd, San Jose, CA, 95120-5022	San Jose	Santa Clara	0	20	5.7215	0	0	0	0	0	UWED
TVI, INC.	16 East Live Oak Avenue, Arcadia, CA, 91006	Arcadia	Los Angeles	0	20	0	0	0	0	0	0	UWED
Turrini Ventures Inc.	16 Technology Dr Ste 145, Irvine, CA, 92618-2327	Irvine	Orange	0	20	10	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	160 Longden Ave, Irwindale, CA, 91706-1326	Irwindale	Los Angeles	0	3.2625	1.5055	0	0	0	0	0	UWED
Attan Recycling Corporation	160 N. Lake Ave, Pasadena, CA, 91101	Pasadena	Los Angeles	0	20	4.888	0	0	0	0	0	UWED
Strawflower Electronics Inc	160 San Mateo Rd, Half Moon Bay, CA, 94019-1789	Half Moon Bay	San Mateo	0	6.8365	1.9585	0	0	0	0	0	UWED
Sierra Storage	160 Sherwood Ct., Colfax, CA, 95713	Colfax	Placer	0	0.2095	1.8665	0	0	0	0	0	UWED
Attan Recycling Corporation	160 Yorba Linda Blvd, Placentia, CA, 92870	Placentia	Orange	0	10	6.0965	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1600 Coleman Ave, Santa Clara, CA, 95050-3101	Santa Clara	Santa Clara	0	6.8335	0	0	0	0	0	0	UWED
Attan Recycling Corporation	1600 East Foothill Blvd, Glendora, CA, 91741	Glendora	Los Angeles	0	10	6.171	0	0	0	0	0	UWED
Costco Wholesale Corporation	1600 El Camino Real, South San Francisco, CA, 94080	South San Francisco	San Francisco	0	5.588	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	1600 Expo Parkway, Sacramento, CA, 95815	Sacramento	Sacramento	0	6.1365	0	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	1600 Exposition Blvd, Sacramento, CA, 95815	Sacramento	Sacramento	0	10	1.95	0	0	0	0	0	UWED
e-Recycling of California	1600 Floribunda Ave., Hillsborough, CA, 94010	Hillsborough	San Mateo	0	3.6405	0.38	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	1600 Huntington Dr, Duarte, CA, 91010-2534	Duarte	Los Angeles	0	4.4795	2.007	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	1600 Pontenova Ave, Hacienda Heights, CA, 91745-2823	Hacienda Heights	Los Angeles	0	2.7335	1.618	0	0	0	0	0	UWED
PSC Environmental Services	1600 Pontenova Ave., Hacienda Heights, CA, 91745	Hacienda Heights	Los Angeles	0	3.643	0.7085	0	0	0	0	0	UWED
Attan Recycling Corporation	1600 W Beverly Blvd, Montebello, CA, 90640	Montebello	Los Angeles	0	9.8895	6.444	0	0	0	0	0	UWED
Costco Wholesale Corporation	1601 Coleman Avenue, Santa Clara, CA, 95050	Santa Clara	Santa Clara	0	7.955	0	0	0	0	0	0	UWED
Amazon.com Services, LLC	1601 Petrol Rd., Bakersfield, CA, 93308	Bakersfield	Kern	0	20	0	0	0	0	0	0	UWED
Office Depot, Inc.	1607 Douglas Blvd, Roseville, CA, 95661	Roseville	Placer	0	0.768	0.0105	0	0	0	0	0	UWED

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Pacific Bell Telephone Company	161 Calle Del Oaks, Del Rey Oaks, CA, 93940-5701	Del Rey Oaks	Monterey	0	1.1335	0	0	0	0	0	0	UWED
Goodwill industries of South	161 W. Hanford Armona Rd. Ste A, Lemoore, CA, 93245	Lemoore	Kings	0	10	1.2	0	0	0	0	0	UWED
Attan Recycling Corporation	16102 Arrow Hwy., Irwindale, CA, 91706	Irwindale	Los Angeles	0	4.1815	3.984	0	0	0	0	0	UWED
The Salvation Army	16119 Brookhurst St, Fountain Valley, CA, 92708-1547	Fountain Valley	Orange	5	0	0.25	0	0	0	0	0	UWED
USA Waste of California Inc. dba	16122 Construction Cir E, Irvine, CA, 92606-4403	Irvine	Orange	0	50	40	0	0	0	0	0	UWED
Sunset Environmental	16122 W. Construction Circle, Irvine, CA, 92606	Irvine	Orange	0	5.838	1.6755	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	1615 W San Marcos Blvd, San Marcos, CA, 92078	San Marcos	San Diego	0	2.1055	1.03	0	0	0	0	0	UWED
Attan Recycling Corporation	16150 Pomona Rincon Rd, Chino Hills, CA, 91709-3101	Chino Hills	San Bernardino	0	2.2915	0.272	0	0	0	0	0	UWED
Costco Wholesale Corporation	1616 East Hammer Lane, Stockton, CA, 95210	Stockton	San Joaquin	0	5.6365	0.019	0	0	0	0	0	UWED
Best Buy	16171 Lake Forest Dr, Irvine, CA, 92618-4301	Irvine	Orange	0	40	2.448	0	0	0	0	0	UWED
Corporate Ewaste Solutions	1618 Redwood Hwy, Corte Madera, CA, 94925	Corte Madera	Marin	0	6.74	0.398	0	0	0	0	0	UWED
The Salvation Army	1618 W. Katella Ave., Anaheim, CA, 92802	Anaheim	Orange	60	0	0.75	0	0	0	0	0	UWED
Salvation army	162 W Olive Ave, Porterville, CA, 93257-3453	Porterville	Tulare	0	1.0365	1.8425	1.8425	0	0	0	0	UWED
Pacific Bell Telephone Company	16201 Raymer St, Van Nuys, CA, 91406-1210	Van Nuys	Los Angeles	0	0.15	0	0	0	0	0	0	UWED
Best Buy	1621 E Monte Vista Ave, Vacaville, CA, 95688-3106	Vacaville	Solano	0	10	1.1255	0	0	0	0	0	UWED
Attan Recycling Corporation	16225 Sierra Lakes Pkwy, Fontana, CA, 92336	Fontana	Riverside	0	3.011	1.0505	0	0	0	0	0	UWED
Attan Recycling Corporation	1625 W. Durness St., West Covina, CA, 91790	West Covina	Los Angeles	0	1.769	0.1225	0	0	0	0	0	UWED
BAE Systems	16250 Technology Dr, San Diego, CA, 92127-1800	San Diego	San Diego	0	20	0.25	0	0	0	0	0	UWED
Pacific Bell Telephone Company	16251 Raymer St, Van Nuys, CA, 91406-1210	Van Nuys	Los Angeles	0	2.5865	0	0	0	0	0	0	UWED
Goodwill Industries	1628 W Grand Ave, Grover Beach, CA, 93433-2900	Grover Beach	San Luis Obispo	0	0.004	20	0	0	0	0	0	UWED
The Salvation Army	16281 Main St, Hesperia, CA, 92345-3569	Hesperia	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED



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Los Angeles Dept. of Water & Power	1630 N. Main Street, Los Angeles, CA, 90012	Los Angeles	Los Angeles	0	6.0115	0.185	0	0	0	0	0	UWED
Goodwill Sacramento	1640 E 8th St, Davis, CA, 95616-2407	Davis	Yolo	0	20	1.6195	0	0	0	0	0	UWED
Goodwill Sacramento	1643 Hilltop Dr, Redding, CA, 96002-0240	Redding	Shasta	0	20	1.88	0	0	0	0	0	UWED
PSC Environmental Services	16454 Orange Way, Fontana, CA, 92335-7712	Fontana	San Bernardino	0	30	7.565	0	0	0	0	0	UWED
Best Buy	1650 E 2nd St, Beaumont, CA, 92223-3166	Beaumont	Riverside	0	20	1.2045	0	0	0	0	0	UWED
Costco Wholesale Corporation	16505 Sierra Lakes parkway, Fontana, CA, 92336	Fontana	San Bernardino	0	8.468	0	0	0	0	0	0	UWED
Sony Electronics Inc	16535 Via Esprillo, San Diego, CA, 92127	San Diego	San Diego	0	5.754	0	0	0	0	0	0	UWED
my ewaste drop off	16550 Jurupa Ave., Fontana, CA, 92337	Fontana	San Bernardino	0	5.715	4.275	0	0	0	0	0	UWED
Sonoma County Waste Management Agency	166 Alexander Valley Rd, Healdsburg, CA, 95448-9625	Healdsburg	Sonoma	0	70	30	0	0	0	0	0	UWED
Amazon.com Services, LLC	1660 N Linden Ave, Rialto, CA, 92376	Rialto	San Bernardino	0	100	0	0	0	0	0	0	UWED
Charter Communications	1660 Riverside Drive, Los Angeles, CA, 90031	Los Angeles	Los Angeles	0	6.5705	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1661 Doolittle Dr, San Leandro, CA, 94577-2229	San Leandro	Alameda	0	90	0	0	0	0	0	0	UWED
Office Depot, Inc.	16655 Sierra Lakes Pkwy, Fontana, CA, 92336	Fontana	San Bernardino	0	1.347	0	0	0	0	0	0	UWED
Goodwill of San Francisco	1669 Fillmore St, San Francisco, CA, 94115-3517	San Francisco	San Francisco	0	10	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1670 Las Plumas Ave, San Jose, CA, 95133-1678	San Jose	Santa Clara	0	3.789	0	0	0	0	0	0	UWED
Enviro - We USA llc	1670 W Katella Ave, Anaheim, CA, 92802	Anaheim	Orange	0	6.689	1.8325	0	0	0	0	0	UWED
AT&T Services, Inc.	16720 W Bernardo Dr, San Diego, CA, 92127-1904	San Diego	San Diego	0	2.5175	0	0	0	0	0	0	UWED
Recology	1675 Rogers Ave, San Jose, CA, 95112-1106	San Jose	Santa Clara	0	3.8685	4.576	0	0	0	0	0	UWED
ALLIED WASTE OF DALY CITY	1680 Edgeworth Ave, Daly City, CA, 94015-1932	Daly City	San Mateo	0	2.6015	0	0	0	0	0	0	UWED
Attan Recycling Corporation	16800 Shoemaker Ave, Cerritos, CA, 90703	Cerritos	Los Angeles	0	5.007	0.6405	0	0	0	0	0	UWED
Glencore Recycling, LLC	1695 Monterey Hwy, San Jose, CA, 95112-6113	San Jose	Santa Clara	0	30	0	0	0	0	0	0	UWED
Office Depot, Inc.	1700 A Rosecrans Ave, Manhattan Beach, CA, 90266	Manhattan Beach	Los Angeles	0	4.056	0	0	0	0	0	0	UWED

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Goodwill of San Francisco	1700 Haight St, San Francisco, CA, 94117-2808	San Francisco	San Francisco	0	10	0	0	0	0	0	0	UWED
Alianza Recycling & Recovery, LLC	1700 N. Chester Ave, Bakersfield, CA, 93308	Bakersfield	Kern	0	0.082	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1700 Space Park Dr, Santa Clara, CA, 95054-3435	Santa Clara	Santa Clara	0	2.1015	0	0	0	0	0	0	UWED
Hambro WSG	1700 State St, Crescent City, CA, 95531-9282	Crescent City	Del Norte	0	20	30	0	0	0	0	0	UWED
Staples, Inc.	1700 Van Ness Ave, San Francisco, CA, 94109-3621	San Francisco	San Francisco	0	6.431	0.3225	0	0	0	0	0	UWED
Delta Diablo Sanitation District	1700 willow lake rd, Byron, CA, 94514	Byron	Contra Costa	0	0.804	0.075	0	0	0	0	0	UWED
West Valley MRF and Transfer	17000 Abbey Ln, Victorville, CA, 92394-1604	Victorville	San Bernardino	0	40	40	0	0	0	0	0	UWED
Corporate Ewaste Solutions	1701 Bellevue Road, Atwater, CA, 95301	Atwater	Fresno	0	2.297	0.8265	0	0	0	0	0	UWED
Best Buy	1701 N CENTRAL AVE, LOS ANGELES, CA, 90059	LOS ANGELES	Los Angeles	0	70	4.4495	0	0	0	0	0	UWED
Enviro - We USA llc	1702 Oceanside Blvd, Oceanside, CA, 92054	Oceanside	San Diego	0	1.89	0.99	0	0	0	0	0	UWED
Pacific Bell Telephone Company	17040 S Vermont Ave, Gardena, CA, 90247-5832	Gardena	Los Angeles	0	1.7005	0	0	0	0	0	0	UWED
CR&R INC	1706 Goetz Rd, Perris, CA, 92570-6274	Perris	Riverside	0	3.113	3.7605	0	0	0	0	0	UWED
Enviro - We USA llc	1706 Oceanside Blvd, Oceanside, CA, 92054	Oceanside	San Diego	0	6.6545	1.964	0	0	0	0	0	UWED
Pacific Bell Telephone Company	17070 Ceres Ave, Fontana, CA, 92335-8611	Fontana	San Bernardino	0	4.4635	0	0	0	0	0	0	UWED
The Salvation Army	17079 Valley Blvd, Fontana, CA, 92335-6828	Fontana	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED
Costco Wholesale Corporation	1709 Automation Parkway, San Jose, CA, 95131	San Jose	Santa Clara	0	3.817	0	0	0	0	0	0	UWED
my ewaste drop off	1710 Main St, Riverside, CA, 92501	Riverside	Riverside	0	3.6745	2.803	0	0	0	0	0	UWED
Stanislaus County DER	1710 Morgan Rd, Modesto, CA, 95358-5805	Modesto	Stanislaus	0	100	40	0	0	0	0	0	UWED
Bestway Disposal Co dba	17105 Mesa St, Hesperia, CA, 92345-5155	Hesperia	San Bernardino	0	5.74	3.1105	0	0	0	0	0	UWED
Huntington Beach Regional HHWCC	17121 Nichols Ln, Huntington Beach, CA, 92647-5719	Huntington Beach	Orange	0	350	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1714 Colfax St, Concord, CA, 94520-2134	Concord	Contra Costa	0	0.8195	0	0	0	0	0	0	UWED

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Best Buy	1717 Harrison St, San Francisco, CA, 94103-4226	San Francisco	San Francisco	0	40	2.2165	0	0	0	0	0	UWED
Merced County Regional Waste Management Authority	17173 S. Billy Wright Rd, Los Banos, CA, 93635	Los Banos	Merced	0	20	20	0	0	0	0	0	UWED
DIRECTV, LLC	17182 Armstrong Ave, Irvine, CA, 92614	Irvine	Orange	0	1.8225	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	17200 S Vermont Ave, Gardena, CA, 90247	Gardena	Los Angeles	0	0.9	0	0	0	0	0	0	UWED
Attan Recycling Corporation	1730 Nogales St, Rowland Heights, CA, 91748	Rowland Heights	Los Angeles	0	30	5.017	0	0	0	0	0	UWED
The Salvation Army	17362 Beach Blvd, Huntington Beach, CA, 92647-5949	Huntington Beach	Orange	50	0	0.35	0	0	0	0	0	UWED
my ewaste drop off	17415 Magnolia St, Fountain Valley, CA, 92708	Fountain Valley	Orange	0	0.7105	0.325	0	0	0	0	0	UWED
E-recycling of California	17421 Van Buren Blvd., Riverside, CA, 92504	Riverside	Riverside	0	1.7785	0.6515	0	0	0	0	0	UWED
San Bernardino Co Fire-HHW	17443 Lemon St, Hesperia, CA, 92345-5151	Hesperia	San Bernardino	0	30	10	0	0	0	0	0	UWED
Valley Vista Services, Inc.	17445 Railroad St, City Of Industry, CA, 91748-1026	City Of Industry	Los Angeles	0	50	70	0	0	0	0	0	UWED
California Waste Recovery Systems,	175 Enterprise Ct Ste A, Galt, CA, 95632-9047	Galt	Sacramento	0	30	5.425	0	0	0	0	0	UWED
Enviro - We USA llc	1750 E Edinger Ave, Santa Ana, CA, 92705-5031	Santa Ana	Los Angeles	0	0.333	0.08	0	0	0	0	0	UWED
Computer Recycling Team Inc.	1750 Floradale Ave, South El Monte, CA, 91733-3406	South El Monte	Los Angeles	0	90	2.1	0	0	0	0	0	UWED
Office Depot, Inc.	1750 Harrison St, San Francisco, CA, 94103	San Francisco	San Francisco	0	0.228	0	0	0	0	0	0	UWED
Best Buy	17545 Gale Ave, City Of Industry, CA, 91748-1517	City Of Industry	Los Angeles	0	20	1.17	0	0	0	0	0	UWED
PG&E	17545 Patterson Pass Rd, Tracy, CA, 95377-9607	Tracy	San Joaquin	0	0.25	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	17550 Castleton St., City of Industry, CA, 91748	City of Industry	Los Angeles	0	6.9565	0	0	0	0	0	0	UWED
Y2K Electronics Recycling	1757 Mountain Blvd, Oakland, CA, 94611	Oakland	Alameda	0	1.438	0.23	0	0	0	0	0	UWED
AMVETS Dept. of Ca Service Foundation	1761 Greenfield Drive, El Cajon, CA, 92021	El Cajon	San Diego	0	10	1.3195	0	0	0	0	0	UWED
Kern County Public Works	17621 Scofield Ave, Shafter, CA, 93263	Shafter	Kern	0	60	40	0	0	0	0	0	UWED
Attan Recycling Corporation	17638 Castleton St., City of Industry, CA, 91748	City of Industry	Los Angeles	0	3.1455	0.433	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Attan Recycling Corporation	17670 Yorba Linda Blvd., Yorba Linda, CA, 92886	Yorba Linda	Orange	0	4.44	0.8285	0	0	0	0	0	UWED
my ewaste drop off	177 W Monterey Avenue, Pomona, CA, 91768	Pomona	Los Angeles	0	0.267	0.3525	0	0	0	0	0	UWED
Goodwill Sacramento	1770 E Main St, Woodland, CA, 95776-6223	Woodland	Sacramento	0	20	1.79	0	0	0	0	0	UWED
Waste Management of Moreno Valley	17700 Indian St, Moreno Valley, CA, 92551-9511	Moreno Valley	Riverside	0	60	110	0	0	0	0	0	UWED
Onsite Electronics Recycling	17720 E Harney Ln, Lodi, CA, 95240-9623	Lodi	San Joaquin	0	140	70	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1777 Cebrian St, West Sacramento, CA, 95691-3803	West Sacramento	Yolo	0	3.044	0	0	0	0	0	0	UWED
Technologies Displays Americas, LLC	1778 Carr Rd Ste 4B, Calexico, CA, 92231-9764	Calexico	Imperial	0	0	990	8940	560	0	0	0	UWED
Riverside County Dept. of Waste Resources	1780 Agua Mansa Rd, Jurupa Valley, CA, 92509-2402	Jurupa Valley	Riverside	0	20	4.225	0	0	0	0	0	UWED
Costco Wholesale Corporation	17900 Newhope Street, Fountain Valley, CA, 92708	Fountain Valley	Orange	0	6.73	0.0135	0	0	0	0	0	UWED
Attan Recycling Corporation	17950 Magnolia St, Fountain Valley, CA, 92708	Fountain Valley	Orange	0	20	4.5545	0	0	0	0	0	UWED
Riverside County Department of Waste Resources	17-991 Kaiser Road, Desert Center, CA, 92223	Desert Center	Riverside	30	0	0.05	0	0	0	0	0	UWED
The Salvation Army	180 S Tustin St, Orange, CA, 92866-2320	Orange	Orange	950	0	8.15	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	1800 N Grand Ave, Santa Ana, CA, 92705-7057	Santa Ana	Orange	0	10	1.88	0	0	0	0	0	UWED
Office Depot, Inc.	1800 Oakdale Rd Building B, Modesto, CA, 95355	Modesto	Stanislaus	0	1.541	0	0	0	0	0	0	UWED
USA Waste of California Inc. dba	1800 S Grand Ave, Santa Ana, CA, 92705-4800	Santa Ana	Orange	0	1.919	5.497	0	0	0	0	0	UWED
Autozone West LLC	1800 South Wineville Rd., San Bernardino, CA, 91761	San Bernardino	Los Angeles	0	9.15	0.041	0	0	0	0	0	UWED
I Global Services, Inc.	1801 E Via Burton, Fullerton, CA, 92831	Fullerton	Orange	0	20	0.125	0	0	0	0	0	UWED
Southern California Gas Company	1801 S Atlantic Blvd, Monterey Park, CA, 91754-5207	Monterey Park	Los Angeles	0	20	0.9	0	0	0	0	0	UWED
E-recycling of California	1801 W Olympic Blvd, Los Angeles, CA, 90006-3701	Los Angeles	Los Angeles	0	10	0	0	0	0	0	0	UWED
Recology Auburn Placer	1801 Whitney Ranch Parkway, Rocklin, CA, 95765	Rocklin	Placer	0	5.779	3.664	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
County of Los Angeles Department of Public Works	18020 E Avenue O, Lake Los Angeles, CA, 93591-3800	Lake Los Angeles	Los Angeles	0	2.1425	2.869	0	0	0	0	0	UWED
Salvation Army ARC, Oakland	1806 Linda Dr, Pleasant Hill, CA, 94523-2970	Pleasant Hill	Alameda	0	1.8075	0.373	0	0	0	0	0	UWED
Best Buy	181 Curtner Ave, San Jose, CA, 95125-1014	San Jose	Santa Clara	0	20	1.031	0	0	0	0	0	UWED
Office Depot, Inc.	18100 Brookhurst St, Fountain Valley, CA, 92708	Fountain Valley	Orange	0	3.365	0	0	0	0	0	0	UWED
Greater Valley Conservation Corps	18100 E. Front Street, Linden, CA, 95236	Linden	San Joaquin	0	0.09	0.1225	0.6085	0	0	0	0	UWED
Goodwill Industries of San Diego County	1815 S. Centre City Pkwy, Escondido, CA, 92025	Escondido	San Diego	2490	0	3.225	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	18182 Culver Dr, Irvine, CA, 92612-2702	Irvine	Orange	0	40	6.6035	0	0	0	0	0	UWED
California Waste Solutions	1820 10th St, Oakland, CA, 94607-1450	Oakland	Alameda	0	1.4	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1821 24th St, Sacramento, CA, 95816-7208	Sacramento	Sacramento	0	0.822	0	0	0	0	0	0	UWED
Redwood Gospel Mission	1821 Piner Rd, Santa Rosa, CA, 95403-1911	Santa Rosa	Sonoma	0	30	0.6615	0	0	0	0	0	UWED
Office Depot, Inc.	18211 Ventura Blvd, Tarzana, CA, 91356	Tarzana	Los Angeles	0	0.2805	0	0	0	0	0	0	UWED
Solid Wastes of Willits, Inc.	1825 Branscomb Rd, Laytonville, CA, 95454-9717	Laytonville	Mendocino	0	0	0.134	0	0	0	0	0	UWED
Office Depot, Inc.	1826 S Norfolk St, San Mateo, CA, 94403	San Mateo	San Mateo	0	1.0595	0	0	0	0	0	0	UWED
West Valley MRF and Transfer	1830 Agua Mansa Rd, Riverside, CA, 92509-2404	Riverside	Riverside	0	10	20	0	0	0	0	0	UWED
GreenCitizen, Inc.	1831 Bayshore Hwy Ste 2, Burlingame, CA, 94010-1201	Burlingame	San Mateo	0	390	10	0	0	0	0	0	UWED
1-800-GOT-JUNK?	184 W. Club Center Drive, San Bernardino, CA, 92408	San Bernardino	San Bernardino	0	20	10	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	1844 N. Broadway, Santa Maria, CA, 93454	Santa Maria	Santa Barbara	0	2.673	0.4595	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1844 Sycamore Dr, Simi Valley, CA, 93065-3732	Simi Valley	Ventura	0	1.7275	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	1845 N Ontario St, Burbank, CA, 91505-1565	Burbank	Los Angeles	0	2.755	1.422	0	0	0	0	0	UWED
HSS Recycling	1850 W Betteravia Rd, Santa Maria, CA, 93455-1065	Santa Maria	Santa Barbara	0	20	5.9975	0	0	0	0	0	UWED
Operation Think Pink	1853 Main Street, Ramona, CA, 92065	Ramona	San Diego	0	1.782	1.8655	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Attan Recycling Corporation	1855 N Tustin St, Orange, CA, 92865-4604	Orange	Orange	0	30	6.627	0	0	0	0	0	UWED
Enviro - We USA llc	1856 Erringer Rd, Simi Valley, CA, 93065	Simi Valley	Ventura	0	3.298	0.238	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1860 Wardrobe Ave, Merced, CA, 95341-6407	Merced	Merced	0	1.0215	0	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	18631 Beach Blvd, Huntington Beach, CA, 92648-2054	Huntington Beach	Orange	0	5.2445	0.864	0	0	0	0	0	UWED
Costco Wholesale Corporation	18649 Via Princessa, Santa Clarita, CA, 91387	Santa Clarita	Los Angeles	0	3.6	0	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	1868 E Valley Pkwy, Escondido, CA, 92027	Escondido	San Diego	0	2.4015	1.133	0	0	0	0	0	UWED
Anderson Landfill	18703 Cambridge Rd, Anderson, CA, 96007-9165	Anderson	Shasta	0	30	10	0	0	0	0	0	UWED
Attan Recycling Corporation	18714 S Gridley Rd, Cerritos, CA, 90703	Cerritos	Los Angeles	0	3.458	0.669	0	0	0	0	0	UWED
Los Angeles Dept. of Water & Power	18718 Rayen Street, Northridge, CA, 91324	Northridge	Los Angeles	0	0.1695	0	0	0	0	0	0	UWED
Staples, Inc.	1880 Camino De La Reina, San Diego, CA, 92108-1539	San Diego	San Diego	0	10	1.0955	0	0	0	0	0	UWED
Best Buy	18811 Bear Valley Rd, Apple Valley, CA, 92308-6709	Apple Valley	San Bernardino	0	10	0.7385	0	0	0	0	0	UWED
Solid Wastes of Willits, Inc.	18851 Mountain View Rd., Boonville, CA, 95415	Boonville	Mendocino	0	0	1.5045	0	0	0	0	0	UWED
my ewaste drop off	18901 Amar Rd, Walnut, CA, 91789	Walnut	Los Angeles	0	1.856	0.733	0	0	0	0	0	UWED
Attan Recycling Corporation	1893 W Malvern Ave, Fullerton, CA, 92833	Fullerton	Orange	0	20	4.2295	0	0	0	0	0	UWED
Attan Recycling Corporation	18993 Colima Rd., Rowland Heights, CA, 91748	Rowland Heights	Los Angeles	0	5.4325	0.765	0	0	0	0	0	UWED
Goodwill Sacramento	1900 Alhambra Blvd., Sacramento, CA, 95816	Sacramento	Sacramento	0	20	1.942	0	0	0	0	0	UWED
Costco Wholesale Corporation	1900 Davis Street, San Leandro, CA, 94577	San Leandro	Alameda	0	20	0.0185	0	0	0	0	0	UWED
E-recycling of California	1900 Laguna Canyon Road, Laguna Beach, CA, 92651	Laguna Beach	Orange	0	4.5485	0.2945	0	0	0	0	0	UWED
Intel Corporation	1900 Prairie City Rd # FM4-07, Folsom, CA, 95630-9501	Folsom	Sacramento	0	60	0	0.1675	0	0	0	0	UWED
Comcast Cable Communications Management LLC	1900 S 10th St, San Jose, CA, 95112-4110	San Jose	Santa Clara	0	8.2595	0	0	0	0	0	0	UWED
AT&T	1900 S Grand Avenue, Los Angeles, CA, 90007-1436	Los Angeles	Los Angeles	0	0.384	0	0	0	0	0	0	UWED

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Costco Wholesale Corporation	1900 Santa Rosa Avenue, Santa Rosa, CA, 95407	Santa Rosa	Sonoma	0	3.0545	0.0095	0	0	0	0	0	UWED
my ewaste drop off	19002 Yorba Linda Blvd., Yorba Linda, CA, 92886	Yorba Linda	Orange	0	1.7095	0.9365	0	0	0	0	0	UWED
Best Buy	1901 Arden Way, Sacramento, CA, 95815-5017	Sacramento	Sacramento	0	20	1.906	0	0	0	0	0	UWED
Kay-Met Recycling	19014 San Jose Ave, Rowland Heights, CA, 91748-1412	Rowland Heights	Los Angeles	0	0	8.9025	10	0	0	0	0	UWED
Attan Recycling Corporation	1905 Lincoln Ave, Pasadena, CA, 91103	Pasadena	Los Angeles	0	5.5685	1.4515	0	0	0	0	0	UWED
Amazon.com Services, LLC	1910 EAST CENTRAL AVENUE, San Bernardino, CA, 92408	San Bernardino	San Bernardino	0	10	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	1913 Birkmont Dr, Rancho Cordova, CA, 95742-6407	Rancho Cordova	Sacramento	0	1.3815	0	0	0	0	0	0	UWED
DIRECTV, LLC	1916 Doolittle Dr, San Leandro, CA, 94577-3235	San Leandro	Alameda	0	10	0	0	0	0	0	0	UWED
Salvation Army ARC, Oakland	1918 Park St, Alameda, CA, 94501-1420	Alameda	Alameda	0	3.0125	0.622	0	0	0	0	0	UWED
E-recycling of California	1920 Brea Canyon Cutoff Rd., Walnut, CA, 91789	Walnut	Los Angeles	0	0.602	0.2075	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	19201 Via Princessa, Santa Clarita, CA, 91351	Santa Clarita	Los Angeles	0	20	8.4	0	0	0	0	0	UWED
Cox Communications, Inc.	1922 Avenida de Oro, Oceanside, CA, 92056	Oceanside	San Diego	0	4.1525	0.085	0	0	0	0	0	UWED
Tuolumne County Solid Waste	19309 Industrial Dr, Sonora, CA, 95370-9232	Sonora	Tuolumne	0	140	60	0	0	0	0	0	UWED
DIRECTV, LLC	19335 S Laurel Park Rd, Rancho Dominguez, CA, 90220-6036	Rancho Dominguez	Los Angeles	0	20	0	0	0	0	0	0	UWED
Best Buy	19350 Nordhoff St, Northridge, CA, 91324-2408	Northridge	Los Angeles	0	20	1.3335	0	0	0	0	0	UWED
E-recycling of California	19355 E Ontario Ave, Corona, CA, 92881-4258	Corona	Riverside	0	1.257	0.591	0	0	0	0	0	UWED
Greater Valley Conservation Corps	1937 Blossom St, Dos Palos, CA, 93620	Dos Palos	Merced	0	0.2	0.663	0.353	0	0	0	0	UWED
Office Depot, Inc.	1937 N Campus Ave, Upland, CA, 91784	Upland	San Bernardino	0	1.797	0	0	0	0	0	0	UWED
my ewaste drop off	194 E 40th St, San Bernardino, CA, 92404	San Bernardino	San Bernardino	0	3.21	2.606	0	0	0	0	0	UWED
Olinda Alpha Landfill	1942 Valencia Ave, Brea, CA, 92823-6807	Brea	Orange	0	10	0	0	0	0	0	0	UWED
Leghorn Hauling	1948 Leghorn st, Mountain View, CA, 94043	Mountain View	Santa Clara	0	20	4.543	0	0	0	0	0	UWED

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e-Recycling of California	1949 Pacific Blvd, San Mateo, CA, 94403-1430	San Mateo	San Mateo	0	6.2225	0.805	0	0	0	0	0	UWED
Pacific Bell Telephone Company	195 S Douglas St, El Segundo, CA, 90245-4624	El Segundo	Los Angeles	0	2.1515	0	0	0	0	0	0	UWED
GI Industries	195 W Los Angeles Ave, Simi Valley, CA, 93065-1651	Simi Valley	Ventura	0	20	20	0	0	0	0	0	UWED
Best Buy	1950 Santa Rosa Ave, Santa Rosa, CA, 95407-7621	Santa Rosa	Sonoma	0	50	3.997	0	0	0	0	0	UWED
County Sanitation Districts of Los Angeles County	1955 Workman Mill Rd, Whittier, CA, 90601-1415	Whittier	Los Angeles	0	0.9695	0.0165	0	0	0	0	0	UWED
Pacific Bell Telephone Company	196 Suburban Rd, San Luis Obispo, CA, 93401-7524	San Luis Obispo	San Luis Obispo	0	1.138	0	0	0	0	0	0	UWED
Riverside County Information Technology (RCIT)	1960 Chicago Ave. Suite E2, Riverside, CA, 92507	Riverside	Riverside	0	120	1.2205	0	0	0	0	0	UWED
ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	19600 Cull Canyon Road, Castro Valley, CA, 94552	Castro Valley	Alameda	0	8.194	1.218	0	0	0	0	0	UWED
Office Depot, Inc.	19611 Parthenia St, Northridge, CA, 91324	Northridge	Los Angeles	0	1.5215	0	0	0	0	0	0	UWED
Apto Solutions, Inc.	1971 Davis Street, San Leandro, CA, 94577	San Leandro	Alameda	35030	0	0.05	0	0	0	0	0	UWED
Los Angeles Conservation Corps	19722 Collier St, Woodland Hills, CA, 91364	Woodland Hills	Los Angeles	0	3.309	0.2445	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	1979 Ridge Rd, Grass Valley, CA, 95945	Grass Valley	Nevada	0	10	3.75	0	0	0	0	0	UWED
Costco Wholesale Corporation	198 Plaza Drive, Vallejo, CA, 94591	Vallejo	Solano	0	5.1955	0	0	0	0	0	0	UWED
Coalinga Community Foundation	198 W Forest Ave, Coalinga, CA, 93210-1928	Coalinga	Fresno	0	0.283	5.056	0	0	0	0	0	UWED
Alpha Surplus Inc.	1980 E Elm St, Ontario, CA, 91761-7699	Ontario	San Bernardino	0	3110	0	0	0	0	0	0	UWED
Extreme Recycling, Inc.	1980 Petra Ln, Placentia, CA, 92870-6714	Placentia	Orange	0	20	0.2825	0	0	0	0	0	UWED
Office Depot, Inc.	19800 Hawthorne Blvd Ste 248, Torrance, CA, 90503	Torrance	Los Angeles	0	1.0765	0	0	0	0	0	0	UWED
Cox Communications, Inc.	1985 Gillespie Way, El Cajon, CA, 92020	El Cajon	San Diego	0	3.5575	0	0	0	0	0	0	UWED
Waste Management	19901 Neuralia Rd, California City, CA, 93505	California City	Kern	0	6.421	3.3535	0	0	0	0	0	UWED
Best Buy	19929 Rinaldi St, Northridge, CA, 91326-4140	Northridge	Los Angeles	0	20	1.496	0	0	0	0	0	UWED



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Goodwill Industries of San Diego County	1996 Don Lee Pl, Escondido, CA, 92029-1147	Escondido	San Diego	5770	0	7.175	0	0	0	0	0	UWED
Waste Connections of CA, Inc.	19995 Plymire Rd, Red Bluff, CA, 96080	Red Bluff	Tehama	0	80	60	0	0	0	0	0	UWED
Marborg Industries	20 David Love Pl, Goleta, CA, 93117-3231	Goleta	Santa Barbara	0	80	8.485	0	0	0	0	0	UWED
Cox Communications, Inc.	20 Icon, Foothill Ranch, CA, 92610	Foothill Ranch	Orange	0	40	0	0	0	0	0	0	UWED
E-recycling of California	200 Civic Center, Mission Viejo, CA, 92691	Mission Viejo	Orange	0	6.9045	0.558	0	0	0	0	0	UWED
Best Buy	200 Colma Blvd, Colma, CA, 94014-3233	Colma	San Mateo	0	70	3.556	0	0	0	0	0	UWED
Los Angeles Conservation Corps	200 N Lucia Ave, Redondo Beach, CA, 90277-3220	Redondo Beach	Los Angeles	0	0.411	0.086	0	0	0	0	0	UWED
Onsite Electronics Recycling	2000 Amblers Ln, Stockton, CA, 95204-3853	Stockton	San Joaquin	0	0.6305	0.362	0	0	0	0	0	UWED
PSC Environmental Services	2000 E. El Segundo Blvd, El Segundo, CA, 90245	El Segundo	Los Angeles	0	2.6875	0.218	0	0	0	0	0	UWED
Costco Wholesale Corporation	2000 Market Place Dr., Monterey Park, CA, 91755	Monterey Park	Los Angeles	0	4.1	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	2000 Otterbein Ave, Rowland Heights, CA, 91748-3949	Rowland Heights	Los Angeles	0	3.5445	1.3455	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2001 E Bayshore Rd, Redwood City, CA, 94063-4121	Redwood City	San Mateo	0	1.0935	0	0	0	0	0	0	UWED
Best Buy	2005 Forest Ave, Chico, CA, 95928-7620	Chico	Butte	0	20	1.6345	0	0	0	0	0	UWED
Roseville Refuse Utility	2005 Hilltop Circle, Roseville, CA, 95747-9704	Roseville	Placer	0	20	10	0	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	2007 Sebastopol Rd, Santa Rosa, CA, 95407-6787	Santa Rosa	Sonoma	0	5.2615	3.075	0	0	0	0	0	UWED
Greater Valley Conservation Corps	20079 W. Falke St., Hilmar, CA, 95324	Hilmar	Merced	0	0.8185	0.5805	1.2175	0	0	0	0	UWED
City of Thousand Oaks	2010 Conejo Center Drive, Newbury Park, CA, 91320	Newbury Park	Ventura	0	40	7.111	5.9925	0	0	0	0	UWED
Best Buy	2015 Birch Rd, Chula Vista, CA, 91915	Chula Vista	San Diego	0	20	1.0885	0	0	0	0	0	UWED
Office Depot, Inc.	2020 S Figueroa St, Los Angeles, CA, 90007	Los Angeles	Los Angeles	0	0.3095	0	0	0	0	0	0	UWED
Office Depot, Inc.	2020 W Briggsmore Ave Ste B, Modesto, CA, 95350	Modesto	Stanislaus	0	0.5015	0	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Recology Vallejo	2021 Broadway St, Vallejo, CA, 94589-1701	Vallejo	Solano	0	210	40	0	0	0	0	0	UWED
City of Los Angeles	2027 Stoner Ave, Los Angeles, CA, 90025-6108	Los Angeles	Los Angeles	0	30	50	0	0	0	0	0	UWED
Costco Wholesale Corporation	2030 North Imperial Avenue, El Centro, CA, 92243	El Centro	Imperial	0	3.9715	0	0	0	0	0	0	UWED
Enviro - We USA llc	2037 Verdugo Blvd, Montrose, CA, 91020	Montrose	Los Angeles	0	6.606	1.481	0	0	0	0	0	UWED
Goodwill Industries	204 Union St, Santa Cruz, CA, 95060-3710	Santa Cruz	Santa Cruz	0	0.039	180	0	0	0	0	0	UWED
Goodwill Sacramento	2040 Alta Arden Expy, Sacramento, CA, 95825-2219	Sacramento	Sacramento	0	30	2.3995	0	0	0	0	0	UWED
Conservation Corps North Bay	2040 Sir Francis Drake Blvd, Fairfax, CA, 94930	Fairfax	Marin	0	7.263	1.4295	0	0	0	0	0	UWED
my ewaste drop off	20425 La Puente Rd, Walnut, CA, 91789	Walnut	Los Angeles	0	2.916	1.0915	0	0	0	0	0	UWED
The Salvation Army	2048 Highland Ave, Highland, CA, 92404	Highland	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED
Goodwill Industries of Ventura and	205 W. Los Angeles Ave, Moorpark, CA, 93021	Moorpark	Ventura	0	20	3.1015	0	0	0	0	0	UWED
USA Waste of California	2050 N Glassell St, Orange, CA, 92865-3306	Orange	Orange	0	5.4375	1.9725	0	0	0	0	0	UWED
my ewaste drop off	2050 N MT Vernon Ave, San Bernardino, CA, 92411	San Bernardino	San Bernardino	0	1.8385	1.9045	0	0	0	0	0	UWED
California Recycles, Inc	20500 Madrona Avenue, Torrance, CA, 90503	Torrance	Los Angeles	0	0.7535	0.8445	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	2060 E Avenida De Los Arboles Ste I, Thousand Oaks, CA, 91362-6140	Thousand Oaks	Ventura	0	8.806	1.5135	0	0	0	0	0	UWED
Attan Recycling Corporation	2060 S Hacienda Blvd, Hacienda Heights, CA, 91745	Hacienda Heights	Los Angeles	0	20	5.838	0	0	0	0	0	UWED
FC Management	2065 East Main St., Santa Maria, CA, 93454	Santa Maria	San Luis Obispo	0	140	80	0	0	0	0	0	UWED
Office Depot, Inc.	2071 Dr Martin Luther King Jr Park, Chico, CA, 95928	Chico	Butte	0	2.3195	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2075 Eloise Ave, South Lake Tahoe, CA, 96150-4312	South Lake Tahoe	El Dorado	0	0.163	0	0	0	0	0	0	UWED
PG&E	20806 Black Ranch Rd, Burney, CA, 96013-9639	Burney	Shasta	0	0.2	0	0.015	0	0	0	0	UWED
Staples, Inc.	20830 Stevens Creek Blvd, cupertino, CA, 95014-2121	Cupertino	Santa Clara	0	20	0.644	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	2090 E Lincoln Ave, Anaheim, CA, 92806-4101	Anaheim	Orange	0	10	2.242	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Amazon.com Services, LLC	20901 Krameria Avenue, Riverside, CA, 92518	Riverside	Riverside	0	50	0	0	0	0	0	0	UWED
ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	2091 W WINTON AVE, HAYWARD, CA, 94545	HAYWARD	Alameda	0	70	7.9275	0	0	0	0	0	UWED
Pacific Bell Telephone Company	21 S 1st St, Alhambra, CA, 91801-3702	Alhambra	Los Angeles	0	1.158	0	0	0	0	0	0	UWED
Onsite Electronics Recycling	210 E Wetmore St., Manteca, CA, 95337	Manteca	San Joaquin	0	7.082	4.87	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2100 Belshaw St, Mojave, CA, 93501-1603	Mojave	Kern	0	0.3125	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	2100 Dr Martin Luther King Pkwy, Chico, CA, 95928	Chico	Butte	0	3.935	0	0	0	0	0	0	UWED
ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	2100 East 7th Street, Oakland, CA, 94606-1911	Oakland	Alameda	0	120	100	0	0	0	0	0	UWED
City of Lincoln	2100 Flightline Dr, Lincoln, CA, 95648-9484	Lincoln	Placer	0	10	4.2375	0	0	0	0	0	UWED
Xilinx	2100 Logic Dr, San Jose, CA, 95124-3450	San Jose	Santa Clara	0	7.0805	0.041	0	0	0	0	0	UWED
Corporate Ewaste Solutions	2100 N Tustin St., Orange, CA, 92865	Orange	Orange	0	1.962	0.4545	0	0	0	0	0	UWED
Tesoro Refining & Marketing Company LLC	2101 East Pacific Coast Highway, Wilmington, CA, 90744	Wilmington	Los Angeles	0	2.3035	0	0	0	0	0	0	UWED
Best Buy	2104 E. Jay Street, Ontario, CA, 91764	Ontario	San Bernardino	0	210	20	0	0	0	0	0	UWED
Ecotrans Recycling	2106 Adams Ave, San Leandro, CA, 94577	San Leandro	Alameda	0	0.3285	0	0	0	0	0	0	UWED
Office Depot, Inc.	2107 Cowell Blvd, Davis, CA, 95618	Davis	Yolo	0	0.5205	0	0	0	0	0	0	UWED
E-recycling of California	2108 W Victory Ave, Banning, CA, 92220-4222	Banning	Riverside	0	5.505	1.7175	0	0	0	0	0	UWED
my ewaste drop off	21091 Rider St, Perris, CA, 92570	Perris	Riverside	0	1.5035	2.1955	0	0	0	0	0	UWED
Office Depot, Inc.	211 Soscol Ave, Napa, CA, 94559	Napa	Napa	0	0.6715	0	0	0	0	0	0	UWED
Attan Recycling Corporation	211 W. Baseline Rd, Rialto, CA, 92376	Rialto	San Bernardino	0	10	7.7255	0	0	0	0	0	UWED
Best Buy	2110 Vista Way, Oceanside, CA, 92054-5600	Oceanside	San Diego	0	20	1.4465	0	0	0	0	0	UWED
Burney Disposal, Inc.	21105 Black Ranch Rd, Burney, CA, 96013-9642	Burney	Shasta	0	6.0265	8.3035	0	0	0	0	0	UWED
PG&E	2111 Hillcrest Ave, Antioch, CA, 94509-2862	Antioch	Contra Costa	0	0.94	0	0.03	0	0	0	0	UWED
Attan Recycling Corporation	2115 Artesian Blvd, Redondo Beach, CA, 90278	Redondo Beach	Los Angeles	0	30	4.237	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	2118 S Bristol St, Santa Ana, CA, 92704-5123	Santa Ana	Orange	0	8.9045	1.467	0	0	0	0	0	UWED

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Staples, Inc.	2120 Contra Costa Blvd, Pleasant Hill, CA, 94523-3742	Pleasant Hill	Contra Costa	0	30	1.086	0	0	0	0	0	UWED
Safety-Kleen Systems, Inc.	2120 S Yale St, Santa Ana, CA, 92704-4425	Santa Ana	Orange	0	20	0.0175	0.14	0	0	0	0	UWED
Goodwill Industries of SJV	2121A W Cleveland Ave, Madera, CA, 93637-8721	Madera	Madera	0	3.418	4.479	0	0	0	0	0	UWED
E-recycling of California	21220 Maurice St., nuevo, CA, 92567	Nuevo	Riverside	0	2.45	0.9415	0	0	0	0	0	UWED
Amazon.com Services, LLC	2125 W. San Bernardino Ave, Redlands, CA, 92374	Redlands	San Bernardino	0	7.9055	0	0	0	0	0	0	UWED
Foothill De Anza College District	21250 Stevens Creek Blvd, Cupertino, CA, 95014-5702	Cupertino	Santa Clara	210	0	0	0.0375	0	0	0	0	UWED
Northrop Grumman Guidance and Electronics, Inc.	21321 Gault St, Canoga Park, CA, 91303-2124	Canoga Park	Los Angeles	0	6.395	0	0.05	0	0	0	0	UWED
Goodwill Industries	214 Oak Park Blvd, Arroyo Grande, CA, 93420-6724	Arroyo Grande	San Luis Obispo	0	0.0245	110	0	0	0	0	0	UWED
South Tahoe Refuse Company	2140 Ruth Ave, South Lake Tahoe, CA, 96150-4330	South Lake Tahoe	El Dorado	0	50	40	0	0	0	0	0	UWED
LOOPTECH ELECTRONIC SOLUTION	2141 E. PHILADELPHIA STREET, ONTARIO, CA, 91761	ONTARIO	San Bernardino	0	0.4755	0.2	0	0	0	0	0	UWED
AMITRON ENTERPRISES	21430 STRATHERN ST., CANOGA PARK, CA, 91304	CANOGA PARK	Los Angeles	0	10	1.4185	0	0	0	0	0	UWED
ATT Recycle	215 Leo Ave, San Jose, CA, 95112	San Jose	Santa Clara	0	3.3875	0.2655	0	0	0	0	0	UWED
AT&T Services, Inc.	215 N Joy St, Corona, CA, 92879-1323	Corona	Riverside	0	5.0655	0	0	0	0	0	0	UWED
Goodwill Sacramento	2150 Feather River Blvd., Oroville, CA, 95965	Oroville	Butte	0	7.8525	0.6945	0	0	0	0	0	UWED
Intel Corporation	2150 Mission College Blvd, Santa Clara, CA, 95054-1500	Santa Clara	Santa Clara	0	40	0	0	0	0	0	0	UWED
Safe Way Recycling & Recovery, Inc.	21516 Main Street Ste B, Grand Terrace, CA, 92313	Grand Terrace	San Bernardino	0	30	40	0	0	0	0	0	UWED
Asset Mover	2160 Elkins Way Suite D, Brentwood, CA, 94513	Brentwood	Contra Costa	0	0.1275	0	0.025	0	0	0	0	UWED
Office Depot, Inc.	2160 Otis Dr, Alameda, CA, 94501	Alameda	Alameda	0	1.027	0.044	0	0	0	0	0	UWED
Best Buy	21601 Victory Blvd, Canoga Park, CA, 91303-2702	Canoga Park	Los Angeles	0	30	1.541	0	0	0	0	0	UWED
Best Buy	2165 Bronze Star Dr, Woodland, CA, 95776-5406	Woodland	Yolo	0	10	1.0505	0	0	0	0	0	UWED

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E-recycling of California	21675 Martin St, Perris, CA, 92570-8738	Perris	Riverside	0	1.84	2.585	0	0	0	0	0	UWED
Cedar Avenue Recycling & Transfer Station	21739 Road 19, Chowchilla, CA, 93610	Chowchilla	Madera	0	20	30	0	0	0	0	0	UWED
Mid Valley Disposal	2174 Blossom St., Dos Palos, CA, 93620-2330	Dos Palos	Merced	20	0	0	0	0	0	0	0	UWED
AT&T	2175 Camino Vida Roble, Carlsbad, CA, 92011-1404	Carlsbad	San Diego	0	0.3615	0	0	0	0	0	0	UWED
Greater Valley Conservation Corps	2178 S. Reynolds Ave, South Dos Palos, CA, 93665	South Dos Palos	Merced	0	0.3275	1.1135	0.214	0	0	0	0	UWED
Costco Wholesale Corporation	21800 Vistory Blvd, Woodland Hills, CA, 91367	Woodland Hills	Los Angeles	0	3.2325	0	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	21825 Sherman Way, Canoga Park, CA, 91303	Canoga Park	Los Angeles	0	0.745	0	0	0	0	0	0	UWED
Goodwill SOLAC	21827 Avalon Blvd, Carson, CA, 90745-3304	Carson	Los Angeles	0	3.583	1.0825	0	0	0	0	0	UWED
Office Depot, Inc.	219 E Gutierrez St, Santa Barbara, CA, 93101	Santa Barbara	Santa Barbara	0	3.279	0.0115	0	0	0	0	0	UWED
Costco Wholesale Corporation	220 Sylvania Avenue, Santa Cruz, CA, 95060	Santa Cruz	Santa Cruz	0	10	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	2200 East Willow Street, Signal Hill, CA, 90755	Signal Hill	Los Angeles	0	4.935	0	0	0	0	0	0	UWED
DIRECTV, LLC	2200, 2230, 2240, 2250, 2260 E IMPERIAL HWY, EL SEGUNDO, CA, 90245	EL SEGUNDO	Los Angeles	0	10	0	0	0	0	0	0	UWED
City of Los Angeles	2201 E Washington Blvd, Los Angeles, CA, 90021-3212	Los Angeles	Los Angeles	0	2.4075	0.7645	0	0	0	0	0	UWED
DIRECTV, LLC	2201 S ANNE ST, SANTA ANA, CA, 92704	SANTA ANA	Orange	0	10	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	2201 Senter Rd, San Jose, CA, 95112	San Jose	Santa Clara	0	9.5425	0.017	0	0	0	0	0	UWED
Costco Wholesale Corporation	2201 Verne Roberts Circle, Antioch, CA, 94509	Antioch	Contra Costa	0	20	0.0345	0	0	0	0	0	UWED
Pacific Bell Telephone Company	22012 Vanowen St, Canoga Park, CA, 91303-2550	Canoga Park	Los Angeles	0	4.502	0	0	0	0	0	0	UWED
Office Depot, Inc.	2205 S Grove Ave, Ontario, CA, 91761	Ontario	San Bernardino	0	1.452	0	0	0	0	0	0	UWED
E-recycling of California	22060 Gavilan Rd, Perris, CA, 92570-9056	Perris	Riverside	0	1.505	1.244	0	0	0	0	0	UWED
my ewaste drop off	22060 Gavilan Rd., Perris, CA, 92570	Perris	Riverside	0	2.411	1.709	0	0	0	0	0	UWED
Costco Wholesale Corporation	2207 W Commonwealth, Alhambra, CA, 91803	Alhambra	Los Angeles	0	9.1195	0	0	0	0	0	0	UWED

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AT&T	221 W Winton Ave, Hayward, CA, 94544-1212	Hayward	Alameda	0	1.8315	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	222 Littlefield Ave, South San Francisco, CA, 94080-6902	South San Francisco	San Mateo	0	0.3395	0	0	0	0	0	0	UWED
Office Depot, Inc.	2220 W Cleveland Ave, Madera, CA, 93637	Madera	Madera	0	0.3995	0	0	0	0	0	0	UWED
Staples, Inc.	2222 Cleveland Ave, Santa Rosa, CA, 95403-2906	Santa Rosa	Sonoma	0	20	0.5625	0	0	0	0	0	UWED
Goodwill SOLAC	22227 Palos Verdes Blvd, Torrance, CA, 90505	Torrance	Los Angeles	0	7.166	2.165	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2229 Mission Ave, Oceanside, CA, 92058-2328	Oceanside	San Diego	0	2.979	0	0	0	0	0	0	UWED
Goodwill Industries	2233 Dela Rosa Street, Soledad, CA, 93960	Soledad	Monterey	0	1.6995	0.875	0	0	0	0	0	UWED
Elian's Wholesale Inc.	2233 S. Huron Dr, Santa Ana, CA, 92704	Santa Ana	Orange	0	30	7.2785	0	0	0	0	0	UWED
Shred Aware LLC	2237 3rd street, eureka, CA, 95519	Eureka	Humboldt	0	2.476	0	0	0	0	0	0	UWED
Greater Valley Conservation Corps	2238 Walnut Ave, Livingston, CA, 95334	Livingston	Merced	0	1.0475	3.6325	2.1605	0	0	0	0	UWED
Goodwill Industries	224 Mount Hermon Rd, Scotts Valley, CA, 95066-4076	Scotts Valley	Santa Cruz	0	0.012	50	0	0	0	0	0	UWED
EDCO Waste & Recycling	224 S Las Posas Rd, San Marcos, CA, 92078-2421	San Marcos	San Diego	0	60	40	10	0	0	0	0	UWED
AT&T	2240 E. Imperial Hwy., El Segundo, CA, 90245-3501	El Segundo	Los Angeles	0	2.203	0	0	0	0	0	0	UWED
Goodwill Industries of SJV	2240 S Mooney Blvd, Visalia, CA, 93277-6227	Visalia	Tulare	0	10	4.9325	0	0	0	0	0	UWED
Cisco Systems	225 E Tasman Dr, San Jose, CA, 95134	San Jose	Santa Clara	0	20	0	0	0	0	0	0	UWED
Goodwill of San Francisco	225 Kenwood Way, South San Francisco, CA, 94080-5737	South San Francisco	San Mateo	0	60	0.3185	0	0	0	0	0	UWED
Pacific Bell Telephone Company	225 N Halcyon Rd, Arroyo Grande, CA, 93420-2524	Arroyo Grande	San Luis Obispo	0	0.3145	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	225 N K St, Dinuba, CA, 93618-1927	Dinuba	Tulare	0	0.507	0	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	225 S Lake Ave, Pasadena, CA, 91101-3005	Pasadena	Los Angeles	0	0.363	0.0855	0	0	0	0	0	UWED
AT&T	2250 E. Imperial, El Segundo, CA, 90245	El Segundo	Los Angeles	0	10	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2250 Ward Ave, Simi Valley, CA, 93065-1859	Simi Valley	Ventura	0	2.0805	0	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Corridor Recycling Inc.	22500 S Alameda St, Long Beach, CA, 90810	Long Beach	Los Angeles	0	8.927	2.7165	0	0	0	0	0	UWED
City of Redding Solid Waste Div	2255 Abernathy Ln, Redding, CA, 96003-8057	Redding	Shasta	0	290	110	0	0	0	0	0	UWED
Operation Think Pink	2255 El Camino Real, Oceanside, CA, 92054	Oceanside	San Diego	0	2.625	2.405	0	0	0	0	0	UWED
Goodwill of San Francisco	2255 Gellert Blvd, South San Francisco, CA, 94080-5401	South San Francisco	San Mateo	0	20	0.196	0	0	0	0	0	UWED
Goodwill Sacramento	2265 Arden Way, Sacramento, CA, 95825-3301	Sacramento	Sacramento	0	2.5935	0.2295	0	0	0	0	0	UWED
FC Management	2268 Carpenter Canyon Rd., San Luis Obispo, CA, 93401	San Luis Obispo	San Luis Obispo	0	100	30	0	0	0	0	0	UWED
DIRECTV, LLC	22686 Antelope Blvd., Red Bluff, CA, 96080	Red Bluff	Tehama	0	6.6175	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	227 Avenida Campillo Street, Calexico, CA, 92231	Calexico	Imperial	0	0.2385	0	0	0	0	0	0	UWED
Attan Recycling Corporation	2270 Lake Ave, Altadena, CA, 91001	Altadena	Los Angeles	0	30	6.3175	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2275 Florencita Ave, Montrose, CA, 91020-1654	Montrose	Los Angeles	0	3.741	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	22795 Barton Road, Grand Terrace, CA, 92313	Grand Terrace	San Bernardino	0	1.516	0.25	0	0	0	0	0	UWED
Office Depot, Inc.	228 E Burbank Blvd, Burbank, CA, 91502	Burbank	Los Angeles	0	0.7075	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2280 Fairview Rd, Costa Mesa, CA, 92627-1666	Costa Mesa	Orange	0	2.6365	0	0	0	0	0	0	UWED
Angel View Inc.	22812 Palomar St, Wildomar, CA, 92595-7573	Wildomar	Riverside	0	1.26	2.6225	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	22836 Fir Lane, Crestline, CA, 92325	Crestline	San Bernardino	0	6.2165	4.2655	4.2655	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	22851 School Road, Running Springs, CA, 92382	Running Springs	San Bernardino	0	4.6625	3.1995	3.1995	0	0	0	0	UWED
Pacific Bell Telephone Company	23 Mark Dr, San Rafael, CA, 94903-2219	San Rafael	Marin	0	1.076	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	230 Camino Oruga, Napa, CA, 94558-6200	Napa	San Mateo	0	0.83	0	0	0	0	0	0	UWED
Best Buy	230 Towne Center Dr, Compton, CA, 90220-6443	Compton	Los Angeles	0	10	0.6515	0	0	0	0	0	UWED
Urban Corps of San Diego County	230 West Laurel, San Diego, CA, 92101	San Diego	San Diego	0	0.171	0	0	0	0	0	0	UWED
Best Buy	2300 CHABOT CT, TRACY, CA, 95304	Tracy	San Joaquin	0	40	3.629	0	0	0	0	0	UWED

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Pacific Bell Telephone Company	2300 E Eight Mile Rd, Stockton, CA, 95210-9601	Stockton	San Joaquin	0	0.7735	0	0	0	0	0	0	UWED
San Diego Gas & Electric	2300 Harveson Pl, Escondido, CA, 92029-1965	Escondido	San Diego	0	0.313	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	2300 Middlefield, Redwood City, CA, 94063	Redwood City	San Mateo	0	10	0.0745	0	0	0	0	0	UWED
Best Buy	2300 N Rose Ave, Oxnard, CA, 93036-2628	Oxnard	Ventura	0	30	2.0195	0	0	0	0	0	UWED
Best Buy	23000 Savi Ranch Pkwy, Yorba Linda, CA, 92887-4642	Yorba Linda	Orange	0	30	1.518	0	0	0	0	0	UWED
Office Depot, Inc.	2301 E Willow St, Signal Hill, CA, 90755	Signal Hill	Los Angeles	0	2.036	0	0	0	0	0	0	UWED
Delta Diablo Sanitation District	2301 ELKINS WAY, BRENTWOOD, CA, 94513	BRENTWOOD	Contra Costa	0	5.09	0.65	0	0	0	0	0	UWED
AT&T	23011 El Toro Rd, Lake Forest, CA, 92630-4931	Lake Forest	Orange	0	0.2	0	0	0	0	0	0	UWED
Goodwill SOLAC	2318 Artesia Blvd, Redondo Beach, CA, 90278-3114	Redondo Beach	Los Angeles	0	3.583	1.0825	0	0	0	0	0	UWED
Enviro - We USA llc	23222 Valencia Blvd, Valencia, CA, 91355-1714	Valencia	Ventura	0	3.238	1.4675	0	0	0	0	0	UWED
Onsite Electronics Recycling	2323 Lovelace Rd, Manteca, CA, 95336-9233	Manteca	San Joaquin	0	280	140	0	0	0	0	0	UWED
Enviro - We USA llc	2325 Otay lakes Rd, chula vista, CA, 91915	Chula Vista	San Diego	0	6.606	2.4175	0	0	0	0	0	UWED
Best Buy	2326 S Bradley Rd, Santa Maria, CA, 93455-1349	Santa Maria	Santa Barbara	0	20	1.094	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	2330 N Rose Ave, Oxnard, CA, 93036-2628	Oxnard	Ventura	0	9.749	1.676	0	0	0	0	0	UWED
Corporate Ewaste Solutions	2335 E. Imperial Hwy, Brea, CA, 92821	Brea	Orange	0	4.751	1.4315	0	0	0	0	0	UWED
E-recycling of California	23376 Forrest Drive, Perris, CA, 92570	Perris	Riverside	0	2.4125	3.51	0	0	0	0	0	UWED
Best Buy	2339 Claribel Rd, Riverbank, CA, 95367-9474	Riverbank	Stanislaus	0	20	1.494	0	0	0	0	0	UWED
Ruiz Electronics Recycling	234 Eastside Dr, San Jose, CA, 95127	San Jose	Santa Clara	0	8.663	2.8915	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	2340 W Main St, Barstow, CA, 92311-3612	Barstow	San Bernardino	0	10	0	30	0	0	0	0	UWED
Costco Wholesale Corporation	2345 Fenton Pkwy, San Diego, CA, 92108	San Diego	San Diego	0	4.794	0	0	0	0	0	0	UWED
Tesoro Los Angeles refining & Marketing Comp LLC	2350 E 223rd ST., CARSON, CA, 90810	CARSON	Los Angeles	0	5.467	0.035	0	0	0	0	0	UWED



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County of Los Angeles Department of Public Works	23519 Civic Center Way, Malibu, CA, 90265-4804	Malibu	Los Angeles	0	1.9375	1.1125	0	0	0	0	0	UWED
Enviro - We USA llc	23651 El Toro Rd, Lake Forest, CA, 92630	Lake Forest	Orange	0	1.997	1.15	0	0	0	0	0	UWED
DISH Network	2371 Bering Drive, San Jose, CA, 95131	San Jose	Santa Clara	0	1.137	0	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	23740 El Toro Rd, Lake Forest, CA, 92630-4711	Lake Forest	Orange	0	60	9.8335	0	0	0	0	0	UWED
boy scouts troop 210	23740 Temescal Canyon Rd, Corona, CA, 92883	Corona	Riverside	0	10	2.75	1.9795	0	0	0	0	UWED
Best Buy	2375 N Tustin St, Orange, CA, 92865-3705	Orange	Orange	0	20	1.3955	0	0	0	0	0	UWED
my ewaste drop off	23801 Saint Raphael, Murrieta, CA, 92562	Murrieta	Riverside	0	2.179	1.561	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	23804 El Lazo Rd, Laguna Niguel, CA, 92677	Laguna Niguel	Orange	0	20	4.0925	0	0	0	0	0	UWED
The Salvation Army	23820 Mercury Rd, Lake Forest, CA, 92630-2810	Lake Forest	Orange	50	0	0.925	0	0	0	0	0	UWED
FC Management	23825 Stuart Ranch Rd., Malibu, CA, 90265	Malibu	Ventura	0	8.7605	2.1685	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	2383 Via Segundo, San Ysidro, CA, 92173	San Ysidro	San Diego	60	0	0.05	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	23871 Via Fabricante, Mission Viejo, CA, 92691-3110	Mission Viejo	Orange	0	50	8.476	0	0	0	0	0	UWED
Office Depot, Inc.	23882 Hesperian Blvd, Hayward, CA, 94541	Hayward	Alameda	0	1.1875	0.014	0	0	0	0	0	UWED
Corporate Ewaste Solutions	239 Los Cerritos Center, Cerritos, CA, 90703	Cerritos	Los Angeles	0	20	4.395	0	0	0	0	0	UWED
Goodwill Industries of SJV	239 W Shaw Ave, Clovis, CA, 93612-3602	Clovis	Fresno	0	10	6.4065	0	0	0	0	0	UWED
my ewaste drop off	23904 Soboba Rd, Hemet, CA, 92886	Hemet	Riverside	0	0.6085	0.161	0	0	0	0	0	UWED
Costco Wholesale Corporation	2395 E. Lacey Blvd., Hanford, CA, 93230	Hanford	Kings	0	3.653	0	0	0	0	0	0	UWED
Office Depot, Inc.	23961 Sunnymead Blvd, Moreno Valley, CA, 92553	Moreno Valley	Riverside	0	1.2855	0	0	0	0	0	0	UWED
Atlan Recycling Corporation	240 N Cerritos Ave, Azusa, CA, 91702-3733	Azusa	Los Angeles	0	7.913	3.2125	0	0	0	0	0	UWED
Office Depot, Inc.	240 Town Center Pkwy, Santee, CA, 92071	Santee	San Diego	0	0.177	0	0	0	0	0	0	UWED
Office Depot, Inc.	2400 Las Positas Rd, Livermore, CA, 94550	Livermore	Alameda	0	0.6375	0.1175	0	0	0	0	0	UWED
Costco Wholesale Corporation	2400 Monument Blvd, Concord, CA, 94520	Concord	Contra Costa	0	5.7775	0.0495	0	0	0	0	0	UWED
my ewaste drop off	2400 S Stage Coach Ln, Fallbrook, CA, 92028	Fallbrook	San Diego	0	6.624	3.921	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
The Salvation Army Arc Conoga Park	2400 W Hillcrest Dr, Newbury Park, CA, 91320-2222	Newbury Park	Ventura	0	20	3.8385	0	0	0	0	0	UWED
PG&E	2401 Coffee Rd, Bakersfield, CA, 93308-5748	Bakersfield	San Bernardino	0	1.4	0	0.015	0	0	0	0	UWED
Goodwill Industries of SJV	2401 McHenry Ave, Modesto, CA, 95350	Modesto	San Joaquin	0	3.685	4.2805	0	0	0	0	0	UWED
The Salvation Army, Santa Monica	2406 Artesia Blvd, Redondo Beach, CA, 90278-3208	Redondo Beach	Los Angeles	0	2.7395	1.175	0	0	0	0	0	UWED
Best Buy	2415 Via Campo, Montebello, CA, 90640-1805	Montebello	Los Angeles	0	20	1.196	0	0	0	0	0	UWED
Gerard Pelletier Transfer Stations	2420 E Oberlin Rd, Yreka, CA, 96097-9577	Yreka	Siskiyou	0	20	30	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2420 Yates Ave, Commerce, CA, 90040-1918	Commerce	Los Angeles	0	30	0	0	0	0	0	0	UWED
Amazon.com Services, LLC	24208 San Michele Road, Moreno Valley, CA, 92551	Moreno Valley	Riverside	0	30	0	0	0	0	0	0	UWED
Parca	24213 Clawiter Rd, Hayward, CA, 94545	Hayward	Alameda	0	10	4.843	0	0	0	0	0	UWED
WM Downtown Diversion	2424 E Olympic Blvd, Los Angeles, CA, 90021-2902	Los Angeles	Los Angeles	0	1.081	0.141	0	0	0	0	0	UWED
Office Depot, Inc.	2425 S Mooney Blvd, Visalia, CA, 93277	Visalia	Tulare	0	0.8285	0.0085	0	0	0	0	0	UWED
Enviro - We USA llc	24251 Muirlands Blvd, Lake Forest, CA, 92630	Lake Forest	Orange	0	7.3365	1.9775	0	0	0	0	0	UWED
Mid Valley Disposal	24252 Road 15 1/2, Chowchilla, CA, 93610-9348	Chowchilla	Madera	30	0	1.075	0	0	0	0	0	UWED
Skyworks Solutions, Inc.	2427 W. Hillcrest Dr., Newbury Park, CA, 91320	Newbury Park	Ventura	0	1.577	0	0	0	0	0	0	UWED
Office Depot, Inc.	2429 E Chapman Ave, Fullerton, CA, 92831	Fullerton	Orange	0	0.192	0	0	0	0	0	0	UWED
Best Buy	2430 Tuscany St, Corona, CA, 92881-4625	Corona	Riverside	0	20	1.188	0	0	0	0	0	UWED
PG&E	24300 Clawiter Rd, Hayward, CA, 94545-2218	Hayward	Alameda	0	3.2	0	0.025	0	0	0	0	UWED
Amazon.com Services, LLC	24300 Nandina Ave, Moreno Valley, CA, 92551	Moreno Valley	Riverside	0	30	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	24300 Narbonne Ave, Lomita, CA, 90717-1131	Lomita	Los Angeles	0	5.3695	2.4195	0	0	0	0	0	UWED
Office Depot, Inc.	24313 Crenshaw Blvd, Torrance, CA, 90505	Torrance	Los Angeles	0	2.174	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	2440 Daniels St., Manteca, CA, 95336	Manteca	San Joaquin	0	3.6055	0	0	0	0	0	0	UWED

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Comcast Cable Communications Management LLC	2441 N Grove Industrial Dr, Fresno, CA, 93727-1535	Fresno	Fresno	0	10	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2445 Daly St, Los Angeles, CA, 90031-2220	Los Angeles	Los Angeles	0	2.8575	0	0	0	0	0	0	UWED
Best Buy	2445 Iron Point Rd, Folsom, CA, 95630-8710	Folsom	Sacramento	0	40	2.987	0	0	0	0	0	UWED
PG&E	2445 Skyway Dr, Santa Maria, CA, 93455-1510	Santa Maria	San Luis Obispo	0	0.2375	0	0.0375	0	0	0	0	UWED
Pacific Bell Telephone Company	245 S Cain St, Visalia, CA, 93292-6607	Visalia	Tulare	0	1.2205	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	24501 Figueroa St, Carson, CA, 90745-6311	Carson	Los Angeles	0	1.6315	1.149	0	0	0	0	0	UWED
Pacific Bell Telephone Company	24522 Lyons Ave, Newhall, CA, 91321-2349	Newhall	Los Angeles	0	5.308	0	0	0	0	0	0	UWED
my ewaste drop off	24528 Sunnymead Blvd., Moreno Valley, CA, 92553	Moreno Valley	Riverside	0	0.336	0.1345	0	0	0	0	0	UWED
Staples, Inc.	2460 17th Ave, Santa Cruz, CA, 95062-1860	Santa Cruz	Santa Cruz	0	7.999	0.147	0	0	0	0	0	UWED
Best Buy	2460 Charleston Rd, Mountain View, CA, 94043-1622	Mountain View	Santa Clara	0	20	0.9475	0	0	0	0	0	UWED
Goodwill Sacramento	2460 Grass Valley Hwy, Auburn, CA, 95603-2555	Auburn	Placer	0	30	2.531	0	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	24601 Jefferson Avenue, Murrieta, CA, 92562	Murrieta	Riverside	0	3.65	0.4	0	0	0	0	0	UWED
Enviro - We USA llc	2461 Naglee Rd, Tracy, CA, 95304-7324	Tracy	San Joaquin	0	4.8885	0.704	0	0	0	0	0	UWED
Goodwill Sacramento	2475 Elk Grove Blvd Ste 140, Elk Grove, CA, 95758-7153	Elk Grove	Sacramento	0	1.107	0.098	0	0	0	0	0	UWED
PG&E	2475 Myrtle Ave, Eureka, CA, 95501-3419	Eureka	Humboldt	0	0.73	0	0.0375	0	0	0	0	UWED
my ewaste drop off	24771 Iris Ave, Moreno Valley, CA, 92551	Moreno Valley	Riverside	0	0.754	0.298	0	0	0	0	0	UWED
my ewaste drop off	24801 Monroe Ave, Murrieta, CA, 92562	Murrieta	Riverside	0	0.84	0.251	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	2481 Heritage Park Lane, Sacramento, CA, 95835	Sacramento	Sacramento	0	3.187	0.55	0	0	0	0	0	UWED
Enviro - We USA llc	24841 Alicia Pkwy, Laguna Hills, CA, 92653	Laguna Hills	Los Angeles	0	2.067	0.6515	0	0	0	0	0	UWED
Staples, Inc.	249 Commerce Ave, Manteca, CA, 95336-5061	Manteca	San Joaquin	0	8.0645	0.3085	0	0	0	0	0	UWED
California Correctional Institution	24900 HWY 202, Tehachapi, CA, 93561	Tehachapi	Kern	0	7.963	0	0	0	0	0	0	UWED
TVI, INC.	24911 South Western Ave., Lomita, CA, 90714	Lomita	Los Angeles	0	30	0	0	0	0	0	0	UWED
Enviro - We USA llc	2495 Sycamore Dr, Simi Valley, CA, 93065	Simi Valley	Los Angeles	0	6.348	2.665	0	0	0	0	0	UWED

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Amazon.com Services, LLC	2496 W Walnut Ave, Rialto, CA, 92376	Rialto	San Bernardino	0	20	0	0	0	0	0	0	UWED
Office Depot, Inc.	25 E Hillcrest Dr, Thousand Oaks, CA, 91360	Thousand Oaks	Ventura	0	3.7745	0.0125	0	0	0	0	0	UWED
Enviro - We USA llc	250 Commerce Ave, Manteca, CA, 95336-5061	Manteca	San Francisco	0	0.33	0.132	0	0	0	0	0	UWED
City of Palo Alto Landfill	250 Hamilton Ave, Palo Alto, CA, 94301-2531	Palo Alto	Santa Clara	650	0	0	0	0	0	0	0	UWED
Recology	250 LeConte & Kanoff, Montara, CA, 94037	Montara	San Mateo	0	8.9195	1.6035	0	0	0	0	0	UWED
Operation Think Pink	250 W Esplanade Dr, Oxnard, CA, 93036	Oxnard	Ventura	0	3.7035	3.2405	0	0	0	0	0	UWED
Comcast Cable Communications Management LLC	2500 Bates Ave, Concord, CA, 94520	Concord	Contra Costa	0	7.3015	0	0	0	0	0	0	UWED
PSC Environmental Services	2500 Michigan Ave, Santa Monica, CA, 90404	Santa Monica	Los Angeles	0	10	1.334	0	0	0	0	0	UWED
Goodwill Sacramento	2502 Watt Ave, Sacramento, CA, 95821-6312	Sacramento	Sacramento	0	10	1.138	0	0	0	0	0	UWED
Best Buy	25080 Madison Ave, Murrieta, CA, 92562-8916	Murrieta	Riverside	0	20	1.086	0	0	0	0	0	UWED
Corporate Ewaste Solutions	251 Stonewood St., Downey, CA, 90241	Downey	Los Angeles	0	20	4.0315	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2510 Old Highway 53, Clearlake, CA, 95422-9157	Clearlake	Lake	0	0.905	0	0	0	0	0	0	UWED
TVI, INC.	25125 Madison Avenue, Murrieta, CA, 92562	Murrieta	Riverside	0	20	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2515 S Orange Ave, Fresno, CA, 93725-1329	Fresno	Fresno	0	1.4195	0	0	0	0	0	0	UWED
chris chun dba ezprecycle	2516 w 5th st, santa ana, CA, 92703	Santa Ana	Orange	0	70	30	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	252 Mountain View St, Altadena, CA, 91001-5016	Altadena	Los Angeles	0	5.359	2.1615	0	0	0	0	0	UWED
Office Depot, Inc.	2520 N Main St, Walnut Creek, CA, 94597	Walnut Creek	Contra Costa	0	0.104	0	0	0	0	0	0	UWED
Communications Test Design, Inc.	25201 S. Schulte Rd., Tracy, CA, 95377	Tracy	San Joaquin	0	1120	0	0	0	0	0	0	UWED
Enviro - We USA llc	2521 Somersville Rd, Antioch, CA, 94509	Antioch	Santa Clara	0	2.8915	1.8735	0	0	0	0	0	UWED
my ewaste drop off	2525 E Valley Pkwy, Escondido, CA, 92027	Escondido	San Diego	0	1.003	0.5825	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2525 Lower Wyandotte Rd, Oroville, CA, 95966-6247	Oroville	Butte	0	0.3215	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2525 N Orange Olive Rd, Orange, CA, 92865-2825	Orange	Orange	0	4.3375	0	0	0	0	0	0	UWED
AT&T	2525 N Watney Way, Fairfield, CA, 94533-6725	Fairfield	Solano	0	0.292	0	0	0	0	0	0	UWED

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my ewaste drop off	253 E 14th St, Upland, CA, 91786	Upland	San Bernardino	0	1.279	0.4325	0	0	0	0	0	UWED
Republic Services	2531 E 67th St, Long Beach, CA, 90805	Long Beach	Los Angeles	0	0.503	0.1415	0	0	0	0	0	UWED
Allan Co	2540 S Main St, Santa Ana, CA, 92707-3430	Santa Ana	Orange	0	2.4775	0.7865	0	0	0	0	0	UWED
Best Buy	25422 El Paseo, Mission Viejo, CA, 92691-6905	Mission Viejo	Orange	0	50	2.7835	0	0	0	0	0	UWED
Goodwill SOLAC	25425 Crenshaw Blvd, Torrance, CA, 90505-6122	Torrance	Los Angeles	0	7.166	2.165	0	0	0	0	0	UWED
Enviro - We USA llc	2545 Main Street, Oakley, CA, 94561	Oakley	Contra Costa	0	2.2485	1.17	0	0	0	0	0	UWED
Best Buy	255 Madonna Rd, San Luis Obispo, CA, 93405-5429	San Luis Obispo	San Luis Obispo	0	30	2.0825	0	0	0	0	0	UWED
Amazon.com Services, LLC	255 Park Center Drive, Patterson, CA, 95363	Patterson	Stanislaus	0	10	0	0	0	0	0	0	UWED
DISH Network	2550 El Camino Real, Atascadero, CA, 93422	Atascadero	San Luis Obispo	0	1.043	0	0	0	0	0	0	UWED
Best Buy	2550 Naglee Rd, Tracy, CA, 95304-7308	Tracy	San Joaquin	0	10	0.9	0	0	0	0	0	UWED
Office Depot, Inc.	2559 Via Campo, Montebello, CA, 90640	Montebello	Los Angeles	0	1.3085	0	0	0	0	0	0	UWED
DLA Disposition Services	25600 Chrisman Road, Tracy, CA, 95304	Tracy	San Joaquin	0	470	0.0015	0.0015	0.0005	0	0	0	UWED
Goodwill Sacramento	2565 Main Street, Susanville, CA, 96130	Susanville	Lassen	0	1.279	0.113	0	0	0	0	0	UWED
North Valley Waste Management	2569 Scott Ave, Chico, CA, 95928-7188	Chico	Butte	0	4.96	0.029	0	0	0	0	0	UWED
Trinity County Solid Waste	257 Burnt Ranch Dump Road, Burnt Ranch, CA, 95663	Burnt Ranch	Trinity	170	0	1.55	0	0	0	0	0	UWED
Dunn & Son Recycling	2571 S Sarah St, Fresno, CA, 93706-5034	Fresno	Fresno	0	190	0	140	0	0	0	0	UWED
my ewaste drop off	2575 S San Jacinto Ave, San Jacinto, CA, 92582	San Jacinto	Riverside	0	4.545	3.142	0	0	0	0	0	UWED
Blue Barrel Disposal	25772 Springbrook Ave, Saugus, CA, 91350-2563	Saugus	Los Angeles	0	70	40	0	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	25780 JOHNSON ROAD, IDYLLWILD, CA, 92549	IDYLLWILD	Riverside	0	0.8	0.025	0	0	0	0	0	UWED
Strategic Sanitation Services, Inc.	25801 Obrero Dr Ste 11, Mission Viejo, CA, 92691-3141	Mission Viejo	Orange	0	20	5.9375	5.9375	0	0	0	0	UWED
T3 Toner LLC	2583 Mercantile Dr, Rancho Cordova, CA, 95742-6217	Rancho Cordova	Sacramento	0	0.6705	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	25862 S. Schulte Ct, Bldg A, Tracy, CA, 95377-8643	Bldg A, Tracy	San Joaquin	0	0.1	0	0	0	0	0	0	UWED
Attan Recycling Corporation	25900 Iris Ave, Moreno Valley, CA, 92551	Moreno Valley	Riverside	0	6.699	3.04	0	0	0	0	0	UWED

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Greater Valley Conservation Corps	260 w. Comet Rd., Santa Nella, CA, 95322	Santa Nella	Merced	0	0.0265	0.213	0.8175	0	0	0	0	UWED
Pacific Bell Telephone Company	2600 Camino Ramon, San Ramon, CA, 94583-5000	San Ramon	Contra Costa	0	1.056	0	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	26000 Springbrook Ave Ste 101, Saugus, CA, 91350-2591	Saugus	Los Angeles	0	20	10	0	0	0	0	0	UWED
DISH Network	2602 Halladay St, Santa Ana, CA, 92705-5601	Santa Ana	Orange	0	0.4635	0	0	0	0	0	0	UWED
Goodwill SOLAC	2610 Atlantic Ave, Long Beach, CA, 90806-2711	Long Beach	Los Angeles	0	3.583	1.0825	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2610 Norbridge Ave, Castro Valley, CA, 94546-5750	Castro Valley	Alameda	0	3.171	0	0	0	0	0	0	UWED
boy scouts troop 210	26100 newport rd, sun city, CA, 92584	Sun City	Riverside	0	50	10	20	0	0	0	0	UWED
my ewaste drop off	26125 Fir Ave, Moreno Valley, CA, 92555	Moreno Valley	Riverside	0	2.0815	1.5145	0	0	0	0	0	UWED
Davis Street Transfer Station	2615 Davis St, San Leandro, CA, 94577-2211	San Leandro	Alameda	0	100	0.9245	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2615 Mercantile Dr, Rancho Cordova, CA, 95742-6521	Rancho Cordova	Sacramento	0	1.1385	0	0	0	0	0	0	UWED
the real Ewaste guys	2615 w vermon ave, Los Angeles, CA, 90008	Los Angeles	Los Angeles	0	30	1.85	0	0	0	0	0	UWED
Office Depot, Inc.	2620 E Workman Ave #5, West Covina, CA, 91791	West Covina	Los Angeles	0	0.637	0	0	0	0	0	0	UWED
Green Leaf Recycling	26244 Enterprise Court, Lake Forest, CA, 92630	Lake Forest	Orange	0	30	2.0055	0	0	0	0	0	UWED
Goodwill Industries of SJV	2626 Tracy Blvd., Tracy, CA, 95738	Tracy	San Joaquin	0	10	6.633	0	0	0	0	0	UWED
Office Depot, Inc.	2635 Mount Vernon Ave, Bakersfield, CA, 93306	Bakersfield	Kern	0	0.722	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	2640 Lomita Blvd., Torrance, CA, 90505	Torrance	Los Angeles	0	4.6485	0	0	0	0	0	0	UWED
PG&E	2641 N State St, Ukiah, CA, 95482-3024	Ukiah	Mendocino	0	1.15	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	26455 Rockwell Canyon Rd, Santa Clarita, CA, 91355-1803	Santa Clarita	Los Angeles	0	30	20	0	0	0	0	0	UWED
City of Los Angeles	2649 E Washington Blvd, Los Angeles, CA, 90023-2627	Los Angeles	Los Angeles	0	130	20	0	0	0	0	0	UWED
Best Buy	2650 41st Ave, Soquel, CA, 95073-2109	Soquel	Santa Cruz	0	20	0.9425	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	2650 Jamacha Rd., El Cajon, CA, 92019	El Cajon	San Diego	1940	0	1.55	0	0	0	0	0	UWED
John Smith Road Landfill	2650 John Smith Road, Hollister, CA, 95023	Hollister	San Benito	0	40	0	5.725	0	0	0	0	UWED
Goodwill Industries	2650 Main St, Morro Bay, CA, 93442-1554	Morro Bay	San Luis Obispo	0	0.022	100	0	0	0	0	0	UWED

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Best Buy	26531 Bouquet Canyon Rd, Santa Clarita, CA, 91350-2377	Santa Clarita	Los Angeles	0	40	2.162	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2655 E Avenue Q, Palmdale, CA, 93550-4102	Palmdale	Los Angeles	0	2.6415	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	2655 El Camino Real, Tustin, CA, 92782	Tustin	Orange	0	3.2415	0	0	0	0	0	0	UWED
Enviro - We USA llc	2655 Mount Vernon Ave, Bakersfield, CA, 93306-2900	Bakersfield	San Luis Obispo	0	5.2435	2.308	0	0	0	0	0	UWED
Office Depot, Inc.	26579 Bouquet Canyon Rd, Santa Clarita, CA, 91350	Santa Clarita	Los Angeles	0	0.198	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	26610 Ynez Road, Temecula, CA, 92591	Temecula	Riverside	0	9.637	0.046	0	0	0	0	0	UWED
Recology Yuba-Sutter	2665 Acacia Ave, Sutter, CA, 95982-2254	Sutter	Sutter	0	0.49	0.2115	0	0	0	0	0	UWED
Onsite Electronics Recycling	26675 N. Sacramento Blvd., Thornton, CA, 95686	Thornton	San Joaquin	0	0.6875	0.9935	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	267 Arneill Rd, Camarillo, CA, 93010-6403	Camarillo	Ventura	0	5.425	0.9325	0	0	0	0	0	UWED
Goodwill industries of South	2671 Oswell St, Bakersfield, CA, 93306-3152	Bakersfield	Kern	0	30	4	0	0	0	0	0	UWED
Costco Wholesale Corporation	2680 Reynolds Ranch Parkway, Lodi, CA, 95240	Lodi	San Joaquin	0	10	0	0	0	0	0	0	UWED
FC Management	269 Poso Ave, Shafter, CA, 93263	Shafter	Kern	0	0.8395	1.2335	0	0	0	0	0	UWED
Alianza Recycling & Recovery, LLC	269 Poso Avenue, Shafter, CA, 93263	Shafter	Kern	0	0.4865	0.236	0	0	0	0	0	UWED
Staples, Inc.	2690 Sunrise Blvd, Rancho Cordova, CA, 95742-6333	Rancho Cordova	Sacramento	0	10	0.574	0	0	0	0	0	UWED
Enviro - We USA llc	26932 La Paz Rd., Aliso Viejo, CA, 92656	Aliso Viejo	Orange	0	6.6755	1.3445	0	0	0	0	0	UWED
Pacific Bell Telephone Company	26971 Furnivall Ave, Canyon Country, CA, 91351-2406	Canyon Country	Los Angeles	0	2.1225	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	2700 Colorado Blvd. #230, Los Angeles, CA, 90041	Los Angeles	Los Angeles	0	6.007	0.701	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2700 Watt Ave, Sacramento, CA, 95821-6236	Sacramento	Sacramento	0	10	0	0	0	0	0	0	UWED
Best Buy	2701 Cherry Ave, Signal Hill, CA, 90755-2010	Signal Hill	Los Angeles	0	30	2.0785	0	0	0	0	0	UWED
Orange Coast College	2701 Fairview Rd, Costa Mesa, CA, 92626-5563	Costa Mesa	Orange	0	5.9605	1.925	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
NVIDIA Corporation	2701 San Tomas Expy, Santa Clara, CA, 95050-2519	Santa Clara	Santa Clara	0	50	0	0.104	0	0	0	0	UWED
AT&T Services, Inc.	2701 Verne Roberts Cir, Antioch, CA, 94509-7913	Antioch	Contra Costa	0	2.671	0	0	0	0	0	0	UWED
County of Yolo	27075 CR19A, Esparto, CA, 95627	Esparto	Yolo	0	10	4.3575	0	0	0	0	0	UWED
Grey Bears	2710 Chanticleer Ave, Santa Cruz, CA, 95065-1812	Santa Cruz	Santa Cruz	0	190	40	0	0	0	0	0	UWED
Staples, Inc.	2710 Crow Canyon Rd, San Ramon, CA, 94583-1606	San Ramon	Contra Costa	0	30	0.0905	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	2710 E Thompson Blvd, Ventura, CA, 93003-2719	Ventura	Ventura	0	10	2.149	0	0	0	0	0	UWED
A1 electronic recycling team	2710 W Florence Ave, Los Angeles, CA, 90043-5151	Los Angeles	Los Angeles	0	230	140	0	0	0	0	0	UWED
e-Recycling of California	2720 Alameda de las Pulgas, San Mateo, CA, 94403	San Mateo	San Mateo	0	5.5775	0.8765	0	0	0	0	0	UWED
Recology Butte Colusa Counties	2720 S 5th Ave, Oroville, CA, 95965-5826	Oroville	Butte	0	20	20	0	0	0	0	0	UWED
Mid Valley Disposal	2721 S Elm Ave, Fresno, CA, 93706-5436	Fresno	Fresno	400	0	4.7	0	0	0	0	0	UWED
DIRECTV, LLC	2727 BOEING WAY, STOCKTON, CA, 95206	STOCKTON	San Joaquin	0	1.516	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2727 Oceanside Blvd, Oceanside, CA, 92054-4542	Oceanside	San Diego	0	3.4765	0	0	0	0	0	0	UWED
The Salvation Army	2727 Via Cascadita, San Clemente, CA, 92672-3605	San Clemente	Orange	3	0	0.025	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	2729 Prospect Park Drive, Rancho Cordova, CA, 95670	Rancho Cordova	Sacramento	0	6.359	0.175	0	0	0	0	0	UWED
Attan Recycling Corporation	2735 S. Towne Ave, Pomona, CA, 91766	Pomona	Los Angeles	0	20	5.42	0	0	0	0	0	UWED
Junk King San Diego	2735 Via Orange Way Suite 104, Spring Valley, CA, 91978	Spring Valley	San Diego	0	0.0675	0	0.0445	0	0	0	0	UWED
Office Depot, Inc.	2736 E Divisadero St, Fresno, CA, 93721	Fresno	Fresno	0	0.6845	0	0	0	0	0	0	UWED
IMS Recycling Services	2740 Boston Ave, San Diego, CA, 92113-3708	San Diego	San Diego	0	10	0	0	0	0	0	0	UWED
PG&E	2740 Gateway Oaks Dr, Sacramento, CA, 95833-3501	Sacramento	Sacramento	0	0.3965	0	0	0	0	0	0	UWED
Attan Recycling Corporation	27400 CA-18, Lake Arrowhead, CA, 92352	Lake Arrowhead	San Bernardino	0	10	2.312	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	27400 Highway 18, Lake Arrowhead, CA, 92352	Lake Arrowhead	San Bernardino	0	6.2165	4.2655	4.2655	0	0	0	0	UWED



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Pacific Bell Telephone Company	27402 Camino Capistrano, Laguna Niguel, CA, 92677-1103	Laguna Niguel	Orange	0	4.7195	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2745 Cloverdale Ave, Concord, CA, 94518-2402	Concord	Contra Costa	0	0.4975	0	0	0	0	0	0	UWED
Office Depot, Inc.	2747 Campus Dr, Irvine, CA, 92612	Irvine	Orange	0	1.625	0	0	0	0	0	0	UWED
AT&T	27472 Camino Capistrano, Laguna Niguel, CA, 92677	Laguna Niguel	Orange	0	0.953	0	0	0	0	0	0	UWED
PG&E	275 Industrial Rd, San Carlos, CA, 94070-6211	San Carlos	San Mateo	0	0.435	0	0.02	0	0	0	0	UWED
Amazon.com Services, LLC	27517 Pioneer Ave., Redlands, CA, 92354	Redlands	San Bernardino	0	8.7805	0	0	0	0	0	0	UWED
Riverside County ARC	27525 Jefferson Ave, Temecula, CA, 92590-2600	Temecula	Riverside	0	9.1165	2.828	0	0	0	0	0	UWED
my ewaste drop off	27526 CA-74, Sun City, CA, 92585	Sun City	Riverside	0	2.255	2.58	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	2755 California Ave, Signal Hill, CA, 90755-3304	Signal Hill	Los Angeles	0	100	50	0	0	0	0	0	UWED
Zanker Road Resource Management, Ltd.	2755 Lafayette St, Santa Clara, CA, 95050-2605	Santa Clara	Santa Clara	0	2.5745	3.929	0	0	0	0	0	UWED
my ewaste drop off	27555 Alessandro Blvd, Moreno Valley, CA, 92555	Moreno Valley	Riverside	0	1.6585	1.534	0	0	0	0	0	UWED
Conservation Corps North Bay	276 East Napa St., Sonoma, CA, 95476	Sonoma	Sonoma	0	20	2.984	0	0	0	0	0	UWED
Electronic Recycling Center	27635 Diaz Rd., Temecula, CA, 92590	Temecula	Riverside	0	110	20	0	0	0	0	0	UWED
FC Management	27800 Stallion Springs Drive, Stallion Springs, CA, 93561	Stallion Springs	Kern	0	3.671	10	0	0	0	0	0	UWED
Siskiyou County	279 Sharps Rd, Yreka, CA, 96097-9544	Yreka	Siskiyou	0	1.3175	2.842	0	0	0	0	0	UWED
North County SD Recycling, LLC	2794 Loker Ave West Ste 107, Carlsbad, CA, 92010	Carlsbad	San Diego	0	5.1875	0	3.12	0	0	0	0	UWED
Best Buy	2795 Bell Rd, Auburn, CA, 95603-2538	Auburn	Placer	0	20	1.2595	0	0	0	0	0	UWED
Costco Wholesale Corporation	27972 Cabot Road, Laguna Niguel, CA, 92677	Laguna Niguel	Orange	0	5.3895	0	0	0	0	0	0	UWED
Operation Think Pink	27983 Seco Canyon Rd, Santa Clarita, CA, 91350	Santa Clarita	Los Angeles	0	9.3355	3.6915	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	28 Monarch Bay Plz, Dana Point, CA, 92629-3460	Dana Point	Orange	0	4.6105	2.1055	0	0	0	0	0	UWED
Goodwill of San Francisco	28 W 25th Ave, San Mateo, CA, 94403-2237	San Mateo	San Mateo	0	50	0.931	0	0	0	0	0	UWED
E-recycling of California	280 S. E Street, San Bernardino, CA, 92404	San Bernardino	San Bernardino	0	1.352	1.2585	0	0	0	0	0	UWED

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Costco Wholesale Corporation	2800 Independence Drive, Livermore, CA, 94550	Livermore	Alameda	0	5.011	0	0	0	0	0	0	UWED
Onsite Electronics Recycling	2800 S D St, Stockton, CA, 95206-3617	Stockton	San Joaquin	0	0.9815	0.5895	0	0	0	0	0	UWED
County Sanitation Districts of Los Angeles County	2800 Workman Mill Rd, Whittier, CA, 90601-1548	Whittier	Los Angeles	0	7.966	5.727	0	0	0	0	0	UWED
E-recycling of California	28001 Kabian Park Rd., Sun City, CA, 92587	Sun City	Riverside	0	0.707	0.2875	0	0	0	0	0	UWED
boy scouts troop 210	28023 Scott Rd, Murrieta, CA, 92563	Murrieta	Riverside	0	9.983	1.975	3.96	0	0	0	0	UWED
Green Tree Electronic Recycling	28052 Camino Capistrano, CA 92677, Laguna Niguel, CA, 92677	Laguna Niguel	Orange	0	40	0.9535	0	0	0	0	0	UWED
County Sanitation Districts of Los Angeles County	2808 Workman Mill Rd, Whittier, CA, 90601-1548	Whittier	Los Angeles	0	40	3.641	0	0	0	0	0	UWED
Pacific Bell Telephone Company	281 Industrial Dr, Placerville, CA, 95667-6809	Placerville	El Dorado	0	0.403	0	0	0	0	0	0	UWED
Enviro - We USA llc	2810 S TRACY BLVD, Tracy, CA, 95377	Tracy	San Joaquin	0	5.381	1.498	0	0	0	0	0	UWED
City of Sacramento	2812 Meadowview Rd Bldg 1, Sacramento, CA, 95832-1441	Sacramento	Sacramento	1640	0	30	0	0	0	0	0	UWED
Office Depot, Inc.	28150 Newhall Ranch Rd, Valencia, CA, 91355	Valencia	Los Angeles	0	2.213	0	0	0	0	0	0	UWED
San Bernardino Co Fire-HHW	2824 E W St, San Bernardino, CA, 92415-0799	San Bernardino	San Bernardino	0	70	20	0	0	0	0	0	UWED
REUZEit	28381 Vincent Moraga Dr, Temecula, CA, 92590	Temecula	Riverside	0	20	0	0	0	0	0	0	UWED
ITEC, Inc	2841 S. Croddy Way, Santa Ana, CA, 92704	Santa Ana	Orange	0	80	0.4	0	0	0	0	0	UWED
Costco Wholesale Corporation	28505 Hesperian Blvd, Hayward, CA, 94545	Hayward	Alameda	0	4.3755	0.0275	0	0	0	0	0	UWED
Best Buy	2852 Canyon Springs Pkwy, Riverside, CA, 92507-0928	Riverside	Riverside	0	20	1.148	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	2855 Grass Valley Hwy, Auburn, CA, 95603	Auburn	Placer	0	1.423	0.775	0	0	0	0	0	UWED
Staples, Inc.	2879 Jamacha Rd, El Cajon, CA, 92019-4397	El Cajon	San Diego	0	5.8135	0.3405	0	0	0	0	0	UWED
Pacific Bell Telephone Company	288 19th Ave, San Mateo, CA, 94403-1419	San Mateo	San Mateo	0	1.696	0	0	0	0	0	0	UWED
Waste Mgmt of North County	2880 Industry St, Oceanside, CA, 92054-4812	Oceanside	San Diego	0	100	30	0	0	0	0	0	UWED

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Onsite Electronics Recycling	2885 E Harding Way, Stockton, CA, 95205-3572	Stockton	San Joaquin	0	1.3795	1.2265	0	0	0	0	0	UWED
Goodwill SOLAC	28901 S Western Ave, Rancho Palos Verdes, CA, 90275-0828	Rancho Palos Verdes	Los Angeles	0	3.583	1.0825	0	0	0	0	0	UWED
AT&T	28924 Bear Valley Road, Bear Valley Springs, CA, 93561	Bear Valley Springs	Kern	0	0.1535	0	0	0	0	0	0	UWED
PG&E	29 4th St, Marysville, CA, 95901-5933	Marysville	Yuba	0	0.85	0	0.15	0	0	0	0	UWED
Feather River Disposal	29 Abernathy Ln, Quincy, CA, 95971-9715	Quincy	Plumas	0	20	9.132	0	0	0	0	0	UWED
Enviro - We USA llc	2900 N Bellflower Blvd, Long Beach, CA, 90815	Long Beach	Los Angeles	0	6.4845	1.6835	0	0	0	0	0	UWED
Corporate Ewaste Solutions	2900 N. Bellflower Blvd., Long Beach, CA, 90815	Long Beach	Los Angeles	0	10	1.7665	0	0	0	0	0	UWED
Best Buy	2900 S Dogwood Rd, El Centro, CA, 92243-9601	El Centro	Imperial	0	10	0.631	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	2900 West Alameda Ave, Burbank, CA, 91505	Burbank	Los Angeles	0	1.2045	0	0	0	0	0	0	UWED
Solano Garbage Company	2901 Industrial Ct, Fairfield, CA, 94533-6500	Fairfield	Solano	0	40	6.901	0	0	0	0	0	UWED
Costco Wholesale Corporation	2901 Los Feliz Boulevard, Los Angeles, CA, 90039	Los Angeles	Los Angeles	0	2.883	0.112	0	0	0	0	0	UWED
Best Buy	2909 Los Feliz Blvd, Los Angeles, CA, 90039-1502	Los Angeles	Los Angeles	0	30	2.034	0	0	0	0	0	UWED
Operation Think Pink	2911 Jamacha Road, El Cajon, CA, 92019	El Cajon	San Diego	0	4.001	1.649	0	0	0	0	0	UWED
Rcommunity Recycle DBA EWASTESF	2915 16th St, San Francisco, CA, 94103-3612	San Francisco	San Francisco	0	20	1.276	0	0	0	0	0	UWED
Enviro - We USA llc	2916 E Whitmore Ave, Ceres, CA, 95307	Ceres	Stanislaus	0	6.7845	1.657	0	0	0	0	0	UWED
Attan Recycling Corporation	2920 Yorba Linda Blvd, Fullerton, CA, 92831	Fullerton	Orange	0	20	5.24	0	0	0	0	0	UWED
my ewaste drop off	29263 IRONWOOD AVE, Moreno Valley, CA, 92225	Moreno Valley	Riverside	0	1.8805	1.052	0	0	0	0	0	UWED
Pacific Bell Telephone Company	29293 Agoura Rd, Agoura Hills, CA, 91301-2521	Agoura Hills	Los Angeles	0	0.403	0	0	0	0	0	0	UWED
Enviro - We USA llc	2930 Tapo Canyon Rd, Simi Valley, CA, 93063	Simi Valley	Ventura	0	0.5265	0.374	0	0	0	0	0	UWED
Costco Wholesale Corporation	29315 Central Ave, Lake Elsinore, CA, 92532	Lake Elsinore	Riverside	0	20	0	0	0	0	0	0	UWED
Lockheed Martin Space	2940 Kifer Road, Santa Clara, CA, 95051	Santa Clara	Santa Clara	0	80	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	2945 LAKE FOREST RD, TAHOE CITY, CA, 96145	TAHOE CITY	Placer	0	0.35	0	0	0	0	0	0	UWED

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Cal State Electronics	295 Distribution Street, San Marcos, CA, 92078	San Marcos	San Diego	0	170	0	0	0	0	0	0	UWED
Staples, Inc.	2950 Broad St, San Luis Obispo, CA, 93401-6702	San Luis Obispo	San Luis Obispo	0	8.9035	0.3255	0	0	0	0	0	UWED
Recology Auburn Placer	2950 Combie Rd., Meadow Vista, CA, 95722	Meadow Vista	Placer	0	4.4665	1.2435	0	0	0	0	0	UWED
Kern County Public Works	2951 Neumarkel Road, Bakersfield, CA, 93207	Bakersfield	Kern	0	230	90	0	0	0	0	0	UWED
FC Management	2951 Wallace Dr., Paso Robles, CA, 93446-7349	Paso Robles	San Luis Obispo	0	30	10	0	0	0	0	0	UWED
Enviro - We USA llc	2955 Alpine Blvd, Alpine, CA, 91901	Alpine	San Diego	0	5.044	1.387	0	0	0	0	0	UWED
Costco Wholesale Corporation	2955 North Tegner Road, Turlock, CA, 95380	Turlock	Stanislaus	0	30	0	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	29551 Sienna Pkwy, Ladera Ranch, CA, 92694-0789	Ladera Ranch	Orange	0	1.407	1.766	0	0	0	0	0	UWED
Staples, Inc.	2960 W Grant Line Rd, Tracy, CA, 95304-7901	Tracy	San Joaquin	0	6.121	0.307	0	0	0	0	0	UWED
WM-Tulare County Transfer and Hauling	29651 RD 140, Visalia, CA, 93292	Visalia	Tulare	0	6.661	4.5055	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	2968 State Hwy 49, Cool, CA, 95614	Cool	El Dorado	0	6.9545	0.775	0	0	0	0	0	UWED
Best Buy	2982 El Camino Real, Tustin, CA, 92782-8903	Tustin	Orange	0	30	2.068	0	0	0	0	0	UWED
North Valley Waste Management	2985 7th St, Biggs, CA, 95917	Biggs	Butte	0	1.187	0.0155	0	0	0	0	0	UWED
DIRECTV, LLC	2990 Myers St, Riverside, CA, 92503-5524	Riverside	Riverside	0	8.557	0	0	0	0	0	0	UWED
DIRECTV, LLC	2996 Industrial Pkwy, Santa Maria, CA, 93455-1810	Santa Maria	Santa Barbara	0	5.3605	0	0	0	0	0	0	UWED
Best Buy	2998 ALVARADO ST, UNIT H, SAN LEANDRO, CA, 94577	SAN LEANDRO	Alameda	0	40	10	0	0	0	0	0	UWED
St. Vincent De Paul Thrift Store, Inc	300 Baker St, Bakersfield, CA, 93305-5806	Bakersfield	Kern	0	8.2825	10	0	0	0	0	0	UWED
my ewaste drop off	300 E Latham Ave, Hemet, CA, 92543	Hemet	Riverside	0	20	10	0	0	0	0	0	UWED
Pacific Bell Telephone Company	300 Kuki Rd, Ukiah, CA, 95482-3316	Ukiah	Mendocino	0	0.653	0	0	0	0	0	0	UWED
Kern County Public Works	300 Landfill Road, Lebec, CA, 93243	Lebec	Kern	0	30	9.537	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	300 S. Imperial Ave., El Centro, CA, 92243	El Centro	Imperial	0	20	70	0	0	0	0	0	UWED
Pacific Bell Telephone Company	300 State College, Fullerton, CA, 92831	Fullerton	Orange	0	4.2725	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	300 Vintage Way, Novato, CA, 94945	Novato	Marin	0	10	0.014	0	0	0	0	0	UWED
Enviro - We USA llc	3000 Baldwin Park Blvd., Baldwin Park, CA, 91706	Baldwin Park	Los Angeles	0	2.849	1.673	0	0	0	0	0	UWED

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Goodwill Industries of SJV	3000 N Tegner Rd, Turlock, CA, 95380-9595	Turlock	Stanislaus	0	3.482	3.8835	0	0	0	0	0	UWED
Recology Yuba-Sutter	3001 N Levee Rd, Marysville, CA, 95901-3600	Marysville	Yuba	0	150	70	0	0	0	0	0	UWED
County Sanitation Districts of Los Angeles County	3001 Scholl Canyon Rd, Glendale, CA, 91206-3130	Glendale	Los Angeles	0	3.837	2.7365	0	0	0	0	0	UWED
AT&T	3001 Thornton Ave, Burbank, CA, 91504-3125	Burbank	Los Angeles	0	0.764	0	0	0	0	0	0	UWED
Attan Recycling Corporation	3001 Walnut Grove Ave, Rosemead, CA, 91770	Rosemead	Los Angeles	0	8.958	1.2525	0	0	0	0	0	UWED
my ewaste drop off	30010 Date Palm Dr, Cathedral City, CA, 92234	Cathedral City	Riverside	0	3.718	2.204	0	0	0	0	0	UWED
FC Management	3003 Custa College Dr., San Luis Obispo, CA, 93405-7889	San Luis Obispo	San Luis Obispo	0	30	6.155	0	0	0	0	0	UWED
PG&E	3004 Geneva Ave, Daly City, CA, 94014-1640	Daly City	San Francisco	0	20	0	0.1075	0	0	0	0	UWED
Bay Counties SMaRT	301 Carl Rd, Sunnyvale, CA, 94089-1012	Sunnyvale	Santa Clara	0	110	20	0	0	0	0	0	UWED
AT&T	301 E Street, Brawley, CA, 92227	Brawley	Imperial	0	0.1785	0	0	0	0	0	0	UWED
Genentech, Inc.	301 East Grand Avenue, South San Francisco, CA, 94080	South San Francisco	San Mateo	0	80	0.099	0	0	0	0	0	UWED
my ewaste drop off	3010 N Perris Blvd, Perris, CA, 92571	Perris	Riverside	0	5.107	4.5875	0	0	0	0	0	UWED
Operation Think Pink	3011 Alta View Dr, San Diego, CA, 92139	San Diego	San Diego	0	1.7675	1.0125	0	0	0	0	0	UWED
Apple, Inc	3011 Laguna Blvd., Elk Grove, CA, 95758	Elk Grove	Sacramento	0	630	0	0	0	0	0	0	UWED
Best Buy	30178 Haun Rd, Menifee, CA, 92584-6808	Menifee	Riverside	0	30	1.6185	0	0	0	0	0	UWED
Solid Wastes of Willits, Inc.	30180 Albion Ridge Rd, Albion, CA, 95410-9744	Albion	Mendocino	0	0	1.421	0	0	0	0	0	UWED
Recology Dixon	302 N 1st St, Dixon, CA, 95620-3029	Dixon	Solano	0	10	4.3865	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	302 W Carrillo St, Santa Barbara, CA, 93101-3711	Santa Barbara	Santa Barbara	0	20	2.5815	0	0	0	0	0	UWED
Goodwill industries of South	3025 Coffee Road, Bakersfield, CA, 93312	Bakersfield	Kern	0	50	7.4	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	303 Glendora Avenue, Covina, CA, 91724	Covina	Los Angeles	0	7.0635	2.671	0	0	0	0	0	UWED
SDR Company Inc.	303 Highland Ave, National City, CA, 91950-1519	National City	San Diego	0	9.541	0	10	0	0	0	0	UWED
Office Depot, Inc.	3030 Foothill Blvd, La Crescenta, CA, 91214	La Crescenta	Los Angeles	0	2.484	0	0	0	0	0	0	UWED

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PSC Environmental Services	30300 Arlington St., Val Verde, CA, 91304	Val Verde	Los Angeles	0	2.169	0.322	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	30300 Arlington Street, Val Verde, CA, 91384	Val Verde	Los Angeles	0	1.7295	0.7615	0	0	0	0	0	UWED
California Recycles, Inc	3031 Torrance Blvd., Torrance, CA, 90503	Torrance	Los Angeles	0	6.344	2.12	0	0	0	0	0	UWED
Conservation Corps North Bay	3033 Cleveland Ave, Santa Rosa, CA, 95403-2126	Santa Rosa	Sonoma	0	6.033	1.0985	0	0	0	0	0	UWED
Nortech Waste LLC	3033 Fiddymt Rd, Roseville, CA, 95747-9705	Roseville	Placer	0	460	60	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3035 Andrita St, Los Angeles, CA, 90065-2314	Los Angeles	Los Angeles	0	2.2095	0	0	0	0	0	0	UWED
Angel View Inc.	304 S Sanderson Ave, Hemet, CA, 92545-9014	Hemet	Riverside	0	2.0775	3.884	0	0	0	0	0	UWED
Office Depot, Inc.	3041 Forni Rd, Placerville, CA, 95667	Placerville	El Dorado	0	0.869	0.0075	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3042 Rose Ave, San Jose, CA, 95127-2836	San Jose	Santa Clara	0	0.579	0	0	0	0	0	0	UWED
Comcast Cable Communications Management LLC	3055 Comcast Pl, Livermore, CA, 94551-7594	Livermore	Alameda	0	6.5955	0	0	0	0	0	0	UWED
boy scouts troop 210	30604 BENTON RD, Winchester, CA, 92596	Winchester	Riverside	0	10	2.925	4.503	0	0	0	0	UWED
Intel Corporation	3065 Bowers Ave, Santa Clara, CA, 95054-3202	Santa Clara	Santa Clara	0	5.432	0.0805	0	0	0	0	0	UWED
Goodwill Sacramento	3065 W Capitol Ave, West Sacramento, CA, 95691-2986	West Sacramento	Sacramento	0	3.179	0.281	0	0	0	0	0	UWED
boy scouts troop 210	30660 Rancho California Rd, Temecula, CA, 92591	Temecula	Riverside	0	40	5.175	7.2545	0	0	0	0	UWED
DIRECTV, LLC	30695 Hill St, Thousand Palms, CA, 92276-2619	Thousand Palms	Riverside	0	4.6945	0	0	0	0	0	0	UWED
Tracy Material Recovery	30703 S Macarthur Dr, Tracy, CA, 95377-9170	Tracy	San Joaquin	1120	0	60	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3073 Adams St, Riverside, CA, 92504-4330	Riverside	Riverside	0	8.547	0	0	0	0	0	0	UWED
Angel View Inc.	30733 Temecula Parkway, Temecula, CA, 92592	Temecula	Riverside	0	1.8875	3.1825	0	0	0	0	0	UWED
PG&E	308 Stockton Ave, San Jose, CA, 95126-2764	San Jose	Santa Clara	0	0.5	0	0	0	0	0	0	UWED
AT&T	3089 Glendower Street, Rosamond, CA, 93560	Rosamond	Kern	0	0.463	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3090 Farrar Ave, Modesto, CA, 95354-4129	Modesto	Stanislaus	0	4.0535	0	0	0	0	0	0	UWED
Best Buy	3090 Stevens Creek Blvd, San Jose, CA, 95128-2011	San Jose	Santa Clara	0	20	0.8525	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
County of Los Angeles Department of Public Works	30940 Hawthorne Blvd, Rancho Palos Verdes, CA, 90275-5351	Rancho Palos Verdes	Los Angeles	0	10	3.804	0	0	0	0	0	UWED
BTR Solutions, LLC d/b/a Sipi Asset Recovery	30944 San Clemente St, Hayward, CA, 94544	Hayward	Alameda	106230	0	1.1	0	0	0	0	0	UWED
County of San Diego DEH	30950 Highway 79, Warner Springs, CA, 92086	Warner Springs	San Diego	0	1.5195	0.1425	0	0	0	0	0	UWED
Pacific Bell Telephone Company	31 William St, Sonora, CA, 95370-5027	Sonora	Tuolumne	0	0.8725	0	0	0	0	0	0	UWED
Zak Enterprises	310 Anna St, Watsonville, CA, 95076-2496	Watsonville	Santa Cruz	0	320	0	2.131	0	0	0	0	UWED
Onsite Electronics Recycling	310 E. French Camp Rd., French Camp, CA, 95231	French Camp	San Joaquin	0	0.361	0.689	0	0	0	0	0	UWED
Pacific Bell Telephone Company	310 Martin Ave, Santa Clara, CA, 95050-3102	Santa Clara	Santa Clara	0	2.769	0	0	0	0	0	0	UWED
Goodwill Southern California	310 N San Fernando Rd, Los Angeles, CA, 90031-1730	Los Angeles	Los Angeles	2200	0	8.1	0	0	0	0	0	UWED
Pebble Beach Community Services District	3101 Forest Lake Rd, Pebble Beach, CA, 93953-2949	Pebble Beach	Monterey	17740	0	0	0	0	0	0	0	UWED
Enviro - We USA llc	3101 Geer Rd, Turlock, CA, 95382	Turlock	Stanislaus	0	6.282	4.3575	0	0	0	0	0	UWED
Enviro - We USA llc	3101 Geer Road, Turlock, CA, 95382	Turlock	Stanislaus	0	2.8	0.9975	0	0	0	0	0	UWED
Mate Enterprises, Inc.	3102 D Street, La Verne, CA, 91750	La Verne	Los Angeles	0	10	5.9025	0	0	0	0	0	UWED
Goodwill SOLAC	311 W Pacific Coast Hwy Ste D, Wilmington, CA, 90744-2583	Wilmington	Los Angeles	0	3.583	1.0825	0	0	0	0	0	UWED
Recycling Resource Recovery Systems, LLC	3110 Busch Rd, Pleasanton, CA, 94566-8430	Pleasanton	Alameda	0	30	0	10	0	0	0	0	UWED
Office Depot, Inc.	3111 Fostoria Way, san ramon, CA, 94583	san ramon	Contra Costa	0	1.5015	0.0095	0	0	0	0	0	UWED
Goodwill Sacramento	312 N Sunrise Ave, ROSEVILLE, CA, 95661	ROSEVILLE	Placer	0	20	1.7925	0	0	0	0	0	UWED
Community Services &	312 NW 3rd Ave, Visalia, CA, 93291-3626	Visalia	Tulare	0	20	20	0	0	0	0	0	UWED
Office Depot, Inc.	3120 Arden Way, Sacramento, CA, 95825	Sacramento	Sacramento	0	1.126	0	0	0	0	0	0	UWED
Best Buy	3125 R Street, Merced, CA, 95348	Merced	Merced	0	5.0775	0.6185	0	0	0	0	0	UWED
Best Buy	31350 Courthouse Dr, Union City, CA, 94587-1772	Union City	Alameda	0	20	1.258	0	0	0	0	0	UWED
Pacific Bell Telephone Company	314 Pine St, Yreka, CA, 96097-2325	Yreka	Siskiyou	0	1.1165	0	0	0	0	0	0	UWED
Community Services &	314 W Firebaugh Ave, Exeter, CA, 93221-1560	Exeter	Tulare	0	9.465	9.275	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Gone For Good Secure Document Destruction	315 2nd St, Petaluma, CA, 94952-4230	Petaluma	Sonoma	0	9.4315	1.9995	0	0	0	0	0	UWED
Pacific Bell Telephone Company	315 Colfax Ave, Grass Valley, CA, 95945-6842	Grass Valley	Nevada	0	0.443	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	3150 Fostoria Way, Danville, CA, 94526	Danville	Contra Costa	0	10	0.0115	0	0	0	0	0	UWED
Pacific Bell Telephone Company	316 Griffin St, Salinas, CA, 93901-4304	Salinas	Monterey	0	0.3425	0	0	0	0	0	0	UWED
PG&E	316 L St, Davis, CA, 95616	Davis	Yolo	0	3.9995	0	0.25	0	0	0	0	UWED
Goodwill SOLAC	317 Torrance Blvd, Redondo Beach, CA, 90277-3324	Redondo Beach	Los Angeles	0	3.583	1.0825	0	0	0	0	0	UWED
E-recycling of California	31710 Grand Ave., Winchester, CA, 92596	Winchester	Riverside	0	1.8665	0.4785	0	0	0	0	0	UWED
Angel View Inc.	31712 Casino Dr, Lake Elsinore, CA, 92530-4547	Lake Elsinore	Riverside	0	0.7165	1.257	0	0	0	0	0	UWED
Attan Recycling Corporation	318 N. Baldwin Ave, Sierra Madre, CA, 91024	Sierra Madre	Los Angeles	0	3.2495	1.115	0	0	0	0	0	UWED
Capital City Recycling, Inc.	3185 Longview Dr., Sacramento, CA, 95821	Sacramento	Sacramento	0	3.07	5.0675	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	31892 Plaza Drive Ste A-1, San Juan Capistrano, CA, 92675	San Juan Capistrano	Orange	0	30	4.7025	0	0	0	0	0	UWED
Goodwill Industries of SJV	32 W Olive Ave, Merced, CA, 95348-3134	Merced	Merced	0	4.283	4.337	0	0	0	0	0	UWED
City of Watsonville Public Drop Off	320 Harvest Dr, Watsonville, CA, 95076-5103	Watsonville	Santa Cruz	0	70	10	0	0	0	0	0	UWED
Conservation Corps North Bay	320 N McDowell Blvd., Petaluma, CA, 94954	Petaluma	Sonoma	0	30	5.072	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	320 S. Mission Drive, San Gabriel, CA, 91776	San Gabriel	Los Angeles	0	10	4.315	0	0	0	0	0	UWED
FIELD Institute	320 Watts Dr, Bakersfield, CA, 93307	Bakersfield	Kern	0	50	10	0	0	0	0	0	UWED
SA Recycling	3202 Main St, San Diego, CA, 92113-3719	San Diego	San Diego	0	0.4475	0	0	0	0	0	0	UWED
Office Depot, Inc.	321 Rohnert Park Expressway, Rohnert Park, CA, 94928	Rohnert Park	Sonoma	0	0.9605	0.0145	0	0	0	0	0	UWED
Waste Management Carson Transfer	321 W Francisco St, Carson, CA, 90745	Carson	Los Angeles	0	4.4795	5.3315	0	0	0	0	0	UWED
Janssen Research & Development, LLC	3210 Merryfield Row, San Diego, CA, 92121	San Diego	San Diego	0	6.5915	0	0	0	0	0	0	UWED
CONCO-WEST, INC.	322 E. WETMORE STREET, MANTECA, CA, 95337	MANTECA	San Joaquin	0	0	0	0.025	0	0	0	0	UWED
AT&T	3220 Bristol, Santa Ana, CA, 92704	Santa Ana	Orange	0	0.2	0	0	0	0	0	0	UWED
PG&E	3221 Mitchell Heights Dr, Eureka, CA, 95503-9732	Eureka	Humboldt	0	0.55	0	0	0	0	0	0	UWED



Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Pacific Bell Telephone Company	3221 S H St, Bakersfield, CA, 93304-5649	Bakersfield	Kern	0	1.044	0	0	0	0	0	0	UWED
Attan Recycling Corporation	32241 Mission Trail Unit C, Lake Elsinore, CA, 92530	Lake Elsinore	Riverside	0	10	3.99	0	0	0	0	0	UWED
PG&E	3225 Wilbur Ave, Antioch, CA, 94509-8546	Antioch	Contra Costa	0	0.19	0	0	0	0	0	0	UWED
San Juan Capistrano Regional HHWCC	32250 La Pata RD, San Juan Capistrano, CA, 92675	San Juan Capistrano	Orange	0	250	0	0	0	0	0	0	UWED
Prima Deshecha Landfill	32250 La Pata Rd., San Juan Capistrano, CA, 92675	San Juan Capistrano	Orange	0	20	0	0	0	0	0	0	UWED
Recycle International	3231 Durfee Ave, El Monte, CA, 91732-3217	El Monte	Los Angeles	0	450	0	110	0	0	0	0	UWED
Goodwill Industries of San Diego County	3232 Greyling Dr, San Diego, CA, 92123-2230	San Diego	San Diego	1730	0	2.425	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3235 N Texas St, Fairfield, CA, 94533-9714	Fairfield	Solano	0	1.901	0	0	0	0	0	0	UWED
DISH Network	3236 W 131st St, Hawthorne, CA, 90250-5517	Hawthorne	Los Angeles	0	1.248	0	0	0	0	0	0	UWED
County of San Diego DEH	324 Maple St, Ramona, CA, 92065-1868	Ramona	San Diego	0	5.1305	1.3275	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	32400 Paseo Adelanto, San Juan Capistrano, CA, 92675-3603	San Juan Capistrano	Orange	0	10	4.81	0	0	0	0	0	UWED
Electronic Recyclers International	3243 S East Ave Ste 103, Fresno, CA, 93725-9018	Fresno	Fresno	0	120	0	0	0	0	0	0	UWED
Electronic Recyclers International	3243 S. East Ave. Suite 102, Fresno, CA, 93725	Fresno	Fresno	0	690	260	0	0	0	0	0	UWED
SA Recycling	3250 E Frontera St, Anaheim, CA, 92806	Anaheim	Orange	0	1.4675	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	3250 W Grant Line Road, Tracy, CA, 95377	Tracy	San Joaquin	0	30	0.054	0	0	0	0	0	UWED
Enviro - We USA llc	32575 Golden Lantern St, Dana Point, CA, 92629-3248	Dana Point	Orange	0	2.207	1.1515	0	0	0	0	0	UWED
Best Buy	3260 Buskirk Ave, Pleasant Hill, CA, 94523-4315	Pleasant Hill	Contra Costa	0	60	3.2405	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3260 Sebastopol Rd # 3, Santa Rosa, CA, 95407-6739	Santa Rosa	Sonoma	0	4.034	0	0	0	0	0	0	UWED
my ewaste drop off	3272 Shakespeare Dr., Los Alamitos, CA, 90720	Los Alamitos	Los Angeles	0	4.776	3.9655	0	0	0	0	0	UWED
Best Buy	32937 Temecula Pkwy, Temecula, CA, 92592-6905	Temecula	Riverside	0	10	0.824	0	0	0	0	0	UWED
Office Depot, Inc.	33 3rd St, San Francisco, CA, 94103	San Francisco	San Francisco	0	0.021	0	0	0	0	0	0	UWED

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Goodwill Industries of Ventura and	330 W 6th St, Oxnard, CA, 93030-7005	Oxnard	Ventura	0	6.6045	1.1355	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	3300 Bear Valley Pkwy, Escondido, CA, 92025	Escondido	San Diego	0	5.9025	3.481	0	0	0	0	0	UWED
California Waste Solutions	3300 Wood Street, Oakland, CA, 94607	Oakland	Alameda	0	5.37	0	0	0	0	0	0	UWED
Kern County Public Works	3301 Bowman Road, Ridgecrest, CA, 93555	Ridgecrest	Kern	0	60	30	0	0	0	0	0	UWED
PG&E	3301 Crow Canyon Rd, San Ramon, CA, 94583-1617	San Ramon	Contra Costa	0	3.2	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	3301 E. Main St., Ventura, CA, 93003	Ventura	Ventura	0	20	1.5295	0	0	0	0	0	UWED
West County Waste Mgmt Authority	3301 Morningside Drive, El Sobrante, CA, 94803	El Sobrante	Contra Costa	0	4.8095	0.75	0	0	0	0	0	UWED
Recology Auburn Placer	3301 Taylor Rd, Loomis, CA, 95650-9502	Loomis	Placer	0	3.2785	0.516	0	0	0	0	0	UWED
AMVETS Dept. of Ca Service Foundation	3315 E South St, Long Beach, CA, 90805-4508	Long Beach	Los Angeles	0	30	1.694	0	0	0	0	0	UWED
Attan Recycling Corporation	3321 S. Bristol St., Santa Ana, CA, 92704	Santa Ana	Orange	0	6.736	2.1005	0	0	0	0	0	UWED
Attan Recycling Corporation	3323 madison st, Riverside, CA, 92504	Riverside	Riverside	0	6.981	3.806	0	0	0	0	0	UWED
Corporate Ewaste Solutions	33269 Old Womans Springs Rd., Lucerne Valley, CA, 92356	Lucerne Valley	San Bernardino	0	3.2015	1.225	0	0	0	0	0	UWED
E-recycling of California	3327 S Sepulveda Blvd, Los Angeles, CA, 90034-5201	Los Angeles	Los Angeles	0	0.916	0.046	0	0	0	0	0	UWED
Onsite Electronics Recycling	333 Civic Center Plaza, Tracy, CA, 95376	Tracy	San Joaquin	0	6.536	5.239	0	0	0	0	0	UWED
Turlock Irrigation District	333 East Canal Drive, Turlock, CA, 95381	Turlock	Stanislaus	0	2.327	0.119	0	0	0	0	0	UWED
Mid Valley Disposal	333 North Ave, Sanger, CA, 93657	Sanger	Fresno	40	0	0.75	0	0	0	0	0	UWED
South Bay Recycling, LLC	333 Shoreway Rd, San Carlos, CA, 94070-2708	San Carlos	San Mateo	0	370	40	0	0	0	0	0	UWED
Attan Recycling Corporation	3333 Arlington Ave, Riverside, CA, 92506	Riverside	Riverside	0	20	7.843	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	33333 Golden Lantern St, Dana Point, CA, 92629-1840	Dana Point	Orange	0	8.6155	2.0265	0	0	0	0	0	UWED
Greater Valley Conservation Corps	3335 Merced Falls Ave, Snelling, CA, 95369	Snelling	Merced	0	0.323	0.125	0.459	0	0	0	0	UWED
Tri-City Economic Development	33377 Western Ave, Union City, CA, 94587-2210	Union City	Alameda	0	3.8935	20	0	0	0	0	0	UWED
ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	33377 Western Avenue, Union City, CA, 94587	Union City	Alameda	0	0.0005	0.0005	0	0	0	0	0	UWED
Attan Recycling Corporation	33441 Yucaipa Blvd, Yucaipa, CA, 92399	Yucaipa	San Bernardino	0	8.1115	3.015	0	0	0	0	0	UWED

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Community Services &	335 N Cain St, Visalia, CA, 93292-6609	Visalia	Tulare	0	30	30	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	335 S Milpas St, Santa Barbara, CA, 93103-3657	Santa Barbara	Santa Barbara	0	2.555	0.439	0	0	0	0	0	UWED
Office Depot, Inc.	3350 Vine St, Riverside, CA, 92507	Riverside	Riverside	0	0.8765	0	0	0	0	0	0	UWED
Sonoma County Waste Management Agency	33549 Annapolis Rd, Annapolis, CA, 95412-9738	Annapolis	Sonoma	0	10	3.957	0	0	0	0	0	UWED
Western Digital	3355 MICHELSON DRIVE, Irvine, CA, 92612	Irvine	Orange	0	20	0	0	0	0	0	0	UWED
DRMO San Diego	3368 N Harbor Dr, San Diego, CA, 92136-0001	San Diego	San Diego	0	270	0	0	0	0	0	0	UWED
Cedar Avenue Recycling & Transfer Station	33699 Road 274, North Fork, CA, 93643	North Fork	Madera	0	10	20	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3375 Peach Ave, Clovis, CA, 93612-5617	Clovis	Fresno	0	6.584	0	0	0	0	0	0	UWED
PG&E	33755 Old Mill Rd, Auberry, CA, 93602-9655	Auberry	Fresno	0	0.2	0	0	0	0	0	0	UWED
Attan Recycling Corporation	3380 N Los Coyotes Diagonal, Long Beach, CA, 90808	Long Beach	Los Angeles	0	7.6015	1.358	0	0	0	0	0	UWED
Costco Wholesale Corporation	33961 Doheny Park Road, San Juan Capistrano, CA, 92675	San Juan Capistrano	Orange	0	5.93	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	340 Couch St, Vallejo, CA, 94590-2910	Vallejo	Solano	0	1.068	0	0	0	0	0	0	UWED
ITAD Solutions	340 Harbor Way, South San Francisco, CA, 94080	South San Francisco	San Mateo	0	100	2.756	0	0	0	0	0	UWED
AT&T	340 Pajaro Street, Salinas, CA, 93901	Salinas	Monterey	0	1.0295	0	0	0	0	0	0	UWED
Enviro - We USA llc	340 W Rancho Vista Blvd, Palmdale, CA, 93551-3710	Palmdale	Los Angeles	0	6.45	2.6885	0	0	0	0	0	UWED
PG&E	3400 Crow Canyon Rd, San Ramon, CA, 94583-1308	San Ramon	Contra Costa	0	1	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	3401 Dale Rd., Modesto, CA, 95356	Modesto	Stanislaus	0	2.939	0.9725	0	0	0	0	0	UWED
Best Buy	3415 E Foothill Blvd, Pasadena, CA, 91107-6024	Pasadena	Los Angeles	0	60	3.4525	0	0	0	0	0	UWED
Cox Communications, Inc.	3415 Kashiwa St, Torrance, CA, 90505-4024	Torrance	Los Angeles	0	3.075	0	0	0	0	0	0	UWED
Recology Sonoma Marin	3417 Standish, Santa Rosa, CA, 95407	Santa Rosa	Sonoma	0	8.6795	0	0	0	0	0	0	UWED
K & K Electronics	3422 Oakdale Rd., Modesto, CA, 95355	Modesto	Stanislaus	0	90	30	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
FC Management	3425 Old Conejo Rd., Newbury Park, CA, 91320	Newbury Park	Ventura	0	40	10	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	343 16th Street, San Diego, CA, 92101	San Diego	San Diego	760	0	0.9	0	0	0	0	0	UWED
Office Depot, Inc.	3430 Highland Ave, National City, CA, 91950	National City	San Diego	0	1.9405	0	0	0	0	0	0	UWED
AT&T	3434 E. 4th Street, Los Angeles, CA, 90063	Los Angeles	Los Angeles	0	0.477	0	0	0	0	0	0	UWED
Enviro - We USA Ilc	3434 S Manthey Road, Stockton, CA, 95206	Stockton	San Joaquin	0	2.568	1.995	0	0	0	0	0	UWED
A&J Electronics Recycling E-Waste	3435 Birchwood Ln, San Jose, CA, 95132-1308	San Jose	Santa Clara	0	0.825	0.39	0	0	0	0	0	UWED
Enviro - We USA Ilc	3443 Saviers Rd, Oxnard, CA, 93033	Oxnard	Ventura	0	5.1985	2.888	0	0	0	0	0	UWED
PG&E	34453 PLYMOUTH AVE, Avenal, CA, 93204	Avenal	Kings	0	0.2	0	0.03	0	0	0	0	UWED
Genentech, Inc.	345 East Grand Avenue, South San Francisco, CA, 94080	South San Francisco	San Mateo	0	4.444	0	0	0	0	0	0	UWED
Cedar Avenue Recycling & Transfer Station	3457 S Cedar Ave, Fresno, CA, 93725-2305	Fresno	Fresno	0	0.9965	8.4315	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	3459 McManus Ave, Culver City, CA, 90232	Culver City	Los Angeles	0	2.498	0.4445	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	3486 Orcutt Rd, Santa Maria, CA, 93455-2608	Santa Maria	Santa Barbara	0	3.656	0.6285	0	0	0	0	0	UWED
Pacific Bell Telephone Company	35 Tubbs St, San Francisco, CA, 94107-3422	San Francisco	San Francisco	0	2.152	0	0	0	0	0	0	UWED
Cisco Systems	350 E Tasman Dr, San Jose, CA, 95134	San Jose	Santa Clara	0	20	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	350 W Hillcrest Dr., Thousand Oaks, CA, 91350	Thousand Oaks	Ventura	0	30	4.635	0	0	0	0	0	UWED
Enviro - We USA Ilc	3500 COFFEE RD, MODESTO, CA, 95355	MODESTO	San Joaquin	0	2.4975	1.7575	0	0	0	0	0	UWED
VRSD - Toland Road Landfill	3500 N. Toland Road, Santa Paula, CA, 93060	Santa Paula	Ventura	0	3.011	0	0.386	0	0	0	0	UWED
Alianza Recycling & Recovery, LLC	3501 Stockdale Hwy., Bakersfield, CA, 93309	Bakersfield	Kern	0	0.408	0.2465	0	0	0	0	0	UWED
El Dorado Disposal	3510 Palmer Dr, Cameron Park, CA, 95682-8202	Cameron Park	El Dorado	0	9.807	1.297	0	0	0	0	0	UWED
AT&T	3524 Marconi Avenue, Sacramento, CA, 95821	Sacramento	Sacramento	0	0.435	0	0	0	0	0	0	UWED
PG&E	3530 E California Ave, Fresno, CA, 93702-4211	Fresno	Fresno	0	2.375	0	0	0	0	0	0	UWED
Office Depot, Inc.	3535 Hollis Street, Emeryville, CA, 94608	Emeryville	Alameda	0	0.2135	0	0	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	3535 Industrial Dr, Santa Rosa, CA, 95403-2002	Santa Rosa	Sonoma	0	3.978	1.875	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
E-recycling of California	35445 Porras Rd, Wildomar, CA, 92595	Wildomar	Riverside	0	3.6915	1.669	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3545 Industrial Ave, Rocklin, CA, 95765-1211	Rocklin	Placer	0	0.383	0	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	355 N San Vicente Blvd, West Hollywood, CA, 90048	West Hollywood	Los Angeles	0	3.2205	0.18	0	0	0	0	0	UWED
Pacific Bell Telephone Company	355 Valley Dr, Brisbane, CA, 94005-1207	Brisbane	San Mateo	0	0.6065	0	0	0	0	0	0	UWED
Fresno EOC Local Conservation Corps	3550 E Thomas Ave, Fresno, CA, 93702	Fresno	Fresno	0	7.008	0.0415	0.0415	0	0	0	0	UWED
Costco Wholesale Corporation	3560 W Century Blvd, Inglewood, CA, 90303	Inglewood	Los Angeles	0	7.3035	0.0125	0	0	0	0	0	UWED
Amazon.com Services, LLC	3565 North Airport Way, Manteca, CA, 95336	Manteca	San Joaquin	0	10	0	0	0	0	0	0	UWED
City of Pittsburg	357 / 359 E. 12th Street, Pittsburg, CA, 94565	Pittsburg	Contra Costa	180	0	3.1	0	0	0	0	0	UWED
Waste Resources Recovery	357 E Compton Blvd, Gardena, CA, 90248-2015	Gardena	Los Angeles	0	10	20	0	0	0	0	0	UWED
Amazon.com Services, LLC	3575 S Orange Ave, Fresno, CA, 93725	Fresno	Fresno	0	110	0	0	0	0	0	0	UWED
Medtronic CardioVascular	3576 Unocal Pl, Santa Rosa, CA, 95403-1774	Santa Rosa	Sonoma	0	8.262	0	0	0	0	0	0	UWED
PG&E	35863 Fairview Rd, Hinkley, CA, 92347-9710	Hinkley	San Bernardino	0	0.15	0	0.0375	0	0	0	0	UWED
Pacific Bell Telephone Company	359 Washington St, Daly City, CA, 94015-1945	Daly City	San Mateo	0	0.438	0	0	0	0	0	0	UWED
DIRECTV, LLC	3595 E. Wawona Avenue, Fresno, CA, 93725	Fresno	Fresno	0	10	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3598 Hillcap Ave, San Jose, CA, 95136-1339	San Jose	Santa Clara	0	0.28	0	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	36 W Colorado Blvd. Suite 300, Pasadena, CA, 91105	Pasadena	Los Angeles	0	0.051	0	0	0	0	0	0	UWED
DIRECTV, LLC	360 Cortez Cir, Camarillo, CA, 93012-8630	Camarillo	Ventura	0	8.189	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	360 N Arroyo Blvd, Pasadena, CA, 91103	Pasadena	Los Angeles	0	30	6.0625	0	0	0	0	0	UWED
SoCal Ewaste	360 N. Andreasen Drive, Escondido, CA, 92029	Escondido	San Diego	0	60	7.756	0	0	0	0	0	UWED
AT&T	360 Pioneer, Mountain View, CA, 94041	Mountain View	Santa Clara	0	2.214	0	0	0	0	0	0	UWED
Intel Corporation	3600 Juliette Ln, Santa Clara, CA, 95054-1540	Santa Clara	Santa Clara	0	20	0.121	0	0	0	0	0	UWED
PG&E	3600 Meadow View Dr, Redding, CA, 96002-9701	Redding	Shasta	0	0.47	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	3600 Workman Mill Rd, Whittier, CA, 90601-1616	Whittier	Los Angeles	0	4.0275	3.595	0	0	0	0	0	UWED
Intel Corporation	3601 Juliette Ln, Santa Clara, CA, 95054-1513	Santa Clara	Santa Clara	0	5.9175	0	0	0	0	0	0	UWED

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Goodwill of San Francisco	3605 Buchanan St, San Francisco, CA, 94123-1708	San Francisco	San Francisco	0	70	0	0	0	0	0	0	UWED
Attan Recycling Corporation	3610 Torrance Blvd, Torrance, CA, 90503	Torrance	Los Angeles	0	30	4.753	0	0	0	0	0	UWED
The Salvation Army	363 S Doolittle Ave, San Bernardino, CA, 92408-1623	San Bernardino	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED
Staples, Inc.	3631 Truxel Rd, Sacramento, CA, 95834-3604	Sacramento	Sacramento	0	8.6165	0.327	0	0	0	0	0	UWED
Cisco Systems	364 Ferguson Dr, Mountain View, CA, 94043-5213	Mountain View	Santa Clara	0	10	0	0	0	0	0	0	UWED
AT&T Services, Inc.	3640 El Monte Ave, El Monte, CA, 91731-2526	El Monte	Los Angeles	0	3.7135	0	0	0	0	0	0	UWED
Cisco Systems	3650 Cisco Way, San Jose, CA, 95134	San Jose	Santa Clara	0	30	0	0	0	0	0	0	UWED
A&G ELECTRONICS	3660 Arlington Ave, Riverside, CA, 92506	Riverside	Riverside	0	1.9765	1.061	0	0	0	0	0	UWED
New-Tec Circuit Sales, Inc.	3660 Thomas Rd, Santa Clara, CA, 95054-2058	Santa Clara	Santa Clara	0	7.7665	0.004	0.1475	0	0	0	0	UWED
Goodwill Industries of San Diego County	3663 Rosecrans St, San Diego, CA, 92110-3226	San Diego	San Diego	16860	0	20	0	0	0	0	0	UWED
California Electronic Asset Recover	3671 LeMay Street, Mather, CA, 95655	Mather	Sacramento	0	90	80	0	0	0	0	0	UWED
Best Buy	3675 Pacific Coast Hwy, Torrance, CA, 90505-6013	Torrance	Los Angeles	0	60	3.8985	0	0	0	0	0	UWED
Potrero Hills Landfill, Inc	3675 Potrero Hills Lane, Suisun, CA, 94585	Suisun	Solano	0	10	2.0365	0	0	0	0	0	UWED
Enviro - We USA llc	3680 Crocker Drive, Sacramento, CA, 95818	Sacramento	Sacramento	0	4.312	1.449	0	0	0	0	0	UWED
Enviro - We USA llc	3681 Avocado Blvd, La Mesa, CA, 91941	La Mesa	San Diego	0	10	4.7055	0	0	0	0	0	UWED
Goodwill Sacramento	3689 Industrial Blvd., West Sacramento, CA, 95691	West Sacramento	Yolo	0	20	1.774	0	0	0	0	0	UWED
Best Buy	3690 N Freeway Blvd, Sacramento, CA, 95834-2904	Sacramento	Sacramento	0	20	1.265	0	0	0	0	0	UWED
Office Depot, Inc.	3700 Geary Blvd, San Francisco, CA, 94118	San Francisco	San Francisco	0	2.14	0	0	0	0	0	0	UWED
Best Buy	3700 Mandela Pkwy, Oakland, CA, 94608-3566	Oakland	Alameda	0	50	2.736	0	0	0	0	0	UWED
Torrance Refining Company LLC	3700 W. 190th Street, Torrance, CA, 90504	Torrance	Los Angeles	0	1.33	0	0	0	0	0	0	UWED
UC Davis Medical Center	3701 14th Avenue, Sacramento, CA, 95817	Sacramento	Sacramento	1880	0	0.3	0	0	0	0	0	UWED
Goodwill Industries of SJV	3702 W Shaw Ave, Fresno, CA, 93711-3230	Fresno	Fresno	0	9.207	5.556	0	0	0	0	0	UWED

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Angel View Inc.	37023 Cook St # B-7, Palm Desert, CA, 92211-2965	Palm Desert	Riverside	0	1.1775	2.1985	0	0	0	0	0	UWED
AT&T Services, Inc.	3704 Tennyson St., San Diego, CA, 92107	San Diego	San Diego	0	0.793	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3707 Duck Creek Dr, Stockton, CA, 95215-7910	Stockton	San Joaquin	0	0.7585	0	0	0	0	0	0	UWED
West County Waste Mgmt Authority	371 South 23rd Street, Richmond, CA, 94804	Richmond	Contra Costa	0	2.6975	0.225	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	3710 Del Mar Heights Rd, San Diego, CA, 92130	San Diego	San Diego	0	3.4535	1.518	0	0	0	0	0	UWED
Gerard Pelletier Transfer Stations	3710 Spring Hill Rd, Mount Shasta, CA, 96067-9507	Mount Shasta	Siskiyou	0	40	30	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	3713 Avocado Blvd # 3717, La Mesa, CA, 91941-7301	La Mesa	San Diego	160	0	0.575	0	0	0	0	0	UWED
Trinity County Solid Waste	372 Hayfork Dump Road, Hayfork, CA, 96041	Hayfork	Trinity	500	0	1.675	0	0	0	0	0	UWED
E-recycling of California	3737 Crestview Drive, Norco, CA, 92860	Norco	Riverside	0	6.28	2.99	0	0	0	0	0	UWED
Best Buy	3741 W Chapman Ave, Orange, CA, 92868-1608	Orange	Orange	0	20	1.212	0	0	0	0	0	UWED
San Jose Conservation Corps	37440 Filbert Street, Newark, CA, 94560	Newark	Alameda	0	5.111	0.4	0	0	0	0	0	UWED
Conservation Corps North Bay	3750 Gravenstein Hwy N, Sebastopol, CA, 95472	Sebastopol	Sonoma	0	10	2.3455	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3750 Home Ave, San Diego, CA, 92105-5932	San Diego	San Diego	0	7.7895	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3750 Morrow Ln, Chico, CA, 95928-8865	Chico	Butte	0	1.3525	0	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	3780 Pio Pico Dr, Carlsbad, CA, 92008	Carlsbad	San Diego	0	1.496	0.6595	0	0	0	0	0	UWED
Costco Wholesale Corporation	3800 Rosedale Highway, Bakersfield, CA, 93308	Bakersfield	Kern	0	10	0	0	0	0	0	0	UWED
DIRECTV, LLC	3800 Via Oro Ave, Long Beach, CA, 90810-1866	Long Beach	Los Angeles	0	2.6185	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	3801 Pelandale Ave, Modesto, CA, 95356	Modesto	Stanislaus	0	9.035	0.013	0	0	0	0	0	UWED
Operation Think Pink	38019 47th St E, Palmdale, CA, 93552	Palmdale	Los Angeles	0	3.9145	2.9485	0	0	0	0	0	UWED
Enviro - We USA llc	38019 47th St E., Palmdale, CA, 93552	Palmdale	Los Angeles	0	4.1725	3.2295	0	0	0	0	0	UWED
Office Depot, Inc.	3804 W Shaw Ave, Fresno, CA, 93711	Fresno	Fresno	0	0.809	0	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	3817 B Plaza Drive, Oceanside, CA, 92056	Oceanside	San Diego	2670	0	2.95	0	0	0	0	0	UWED
AT&T	3850 Jackson, Riverside, CA, 92501	Riverside	Riverside	0	1.119	0	0	0	0	0	0	UWED
Maxwell Transfer Station	3852 Old Highway 99, Maxwell, CA, 95955	Maxwell	Colusa	0	20	20	0	0	0	0	0	UWED

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Pacific Bell Telephone Company	3855 Ash St, San Diego, CA, 92105-5904	San Diego	San Diego	0	0.994	0	0	0	0	0	0	UWED
Recology Eel River	3860 Conservation Road, Redway, CA, 95560	Redway	Humboldt	0	2.014	2.405	0	0	0	0	0	UWED
Goodwill Sacramento	3868 Forni Road, Placerville, CA, 95667	Placerville	El Dorado	0	20	1.3785	0	0	0	0	0	UWED
Greater Valley Conservation Corps	3875 Santa Fe Dr., Le Grand, CA, 95333	Le Grand	Merced	0	0	0.565	0.8025	0	0	0	0	UWED
Genentech, Inc.	389 DNA Way, South San Francisco, CA, 94080	South San Francisco	San Mateo	0	20	0	0	0	0	0	0	UWED
Best Buy	390 N Moorpark Rd, Thousand Oaks, CA, 91360-4303	Thousand Oaks	Ventura	0	60	3.5345	0	0	0	0	0	UWED
Best Buy	390 Northridge Shopping Ctr, Salinas, CA, 93906-2013	Salinas	Monterey	0	8.3575	0.424	0	0	0	0	0	UWED
Goodwill Sacramento	390 Plaza Dr, Folsom, CA, 95630-4742	Folsom	Sacramento	0	30	2.2455	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3900 Channel Dr, West Sacramento, CA, 95691-3432	West Sacramento	Yolo	0	0.1455	0	0	0	0	0	0	UWED
Universal Studios, LLC.	3900 Lankershim Blvd., Universal City, CA, 91608	Universal City	Los Angeles	0	70	0.673	0	0	0	0	0	UWED
Best Buy	3900 Sisk Rd, Modesto, CA, 95356	Modesto	Stanislaus	0	20	1.296	0	0	0	0	0	UWED
Goodwill Industries of SJV	3900 Sisk Rd Ste D, Modesto, CA, 95356-3227	Modesto	Stanislaus	0	2.873	3.033	0	0	0	0	0	UWED
Best Buy	3900 Tyler St, Riverside, CA, 92503-3456	Riverside	Riverside	0	20	1.1545	0	0	0	0	0	UWED
TVI, INC.	3900-B Tyler Street, Riverside, CA, 92503-3456	Riverside	Riverside	0	8.7035	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	3920 San Pablo Dam Rd, El Sobrante, CA, 94803-2807	El Sobrante	Contra Costa	0	1.098	0	0	0	0	0	0	UWED
The Salvation Army ARC SF	3921 Geary Blvd, San Francisco, CA, 94118-3218	San Francisco	San Francisco	0	3.4235	0.613	0	0	0	0	0	UWED
Amazon.com Services, LLC	3923 B St, Stockton, CA, 95206	Stockton	San Joaquin	0	10	0	0	0	0	0	0	UWED
AT&T	3923 E. Coronado Street, Anaheim, CA, 92807	Anaheim	Orange	0	10	0	0	0	0	0	0	UWED
Best Buy	39330 10th St W, Palmdale, CA, 93551-3727	Palmdale	Los Angeles	0	20	1.978	0	0	0	0	0	UWED
Allan Co	39530 12th St E, Palmdale, CA, 93550-3418	Palmdale	Los Angeles	0	20	10	0	0	0	0	0	UWED
PG&E	3965 Occidental Rd, Santa Rosa, CA, 95401-5855	Santa Rosa	Sonoma	0	3.25	0	0.5	0	0	0	0	UWED



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Community Services &	3981 S K St, Tulare, CA, 93274-7189	Tulare	Tulare	0	20	30	0	0	0	0	0	UWED
Feather River Disposal	40 County Road 322, Chester, CA, 96122	Chester	Plumas	0	5.5795	8.2925	0	0	0	0	0	UWED
PG&E	40 miles East of Shaver Lake, Shaver Lake, CA, 93664	Shaver Lake	Fresno	0	0.35	0	0.375	0	0	0	0	UWED
Attan Recycling Corporation	40 W. Cochran St, Simi Valley, CA, 93065	Simi Valley	Ventura	0	60	20	0	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	400 S Vicentia Ave, Corona, CA, 92882-2187	Corona	Riverside	0	20	5.75	0	0	0	0	0	UWED
Kern County Public Works	400 Silver Queen Road, Mojave, CA, 93501	Mojave	Kern	0	60	30	0	0	0	0	0	UWED
Pacific Bell Telephone Company	4000 Channel Dr, West Sacramento, CA, 95691-3434	West Sacramento	Yolo	0	5.7295	0	0	0	0	0	0	UWED
Stanislaus County Fink Rd Landfill	4000 Fink Road, Crows Landing, CA, 95313	Crows Landing	Stanislaus	0	40	20	0	0	0	0	0	UWED
The Salvation Army, Santa Monica	4001 Inglewood Ave, Redondo Beach, CA, 90278-1121	Redondo Beach	Los Angeles	0	2.7395	1.175	0	0	0	0	0	UWED
Republic Services, Inc.	4001 N Vasco Rd, Livermore, CA, 94551-9766	Livermore	Alameda	0	0.636	0.958	0	0	0	0	0	UWED
County of Santa Barbara	4004 Foxen Canyon Road, Los Olivos, CA, 93460	Los Olivos	Santa Barbara	0	20	7.7215	0	0	0	0	0	UWED
Office Depot, Inc.	401 E 2nd St, Los Angeles, CA, 90012	Los Angeles	Los Angeles	0	1.1925	0.021	0	0	0	0	0	UWED
Attan Recycling Corporation	401 E. Chapman Ave, Placentia, CA, 92870	Placentia	Orange	0	3.305	1.922	0	0	0	0	0	UWED
Attan Recycling Corporation	401 S. Nogales Street, La Puente, CA, 91744	La Puente	Los Angeles	0	1.764	0.065	0	0	0	0	0	UWED
Enviro - We USA llc	401 w esplanade dr, oxnard, CA, 93036-1298	oxnard	Ventura	0	5.6265	2.8025	0	0	0	0	0	UWED
PG&E	401 Work St, Salinas, CA, 93901-4331	Salinas	Monterey	0	1.05	0	0.015	0	0	0	0	UWED
Attan Recycling Corporation	4013 Phelan Rd Unit 1, Phelan, CA, 92371	Phelan	San Bernardino	0	10	5.916	0	0	0	0	0	UWED
Goodwill Sacramento	4021 Woodcreek Oaks Blvd Ste 132, Roseville, CA, 95747-6817	Roseville	Placer	0	20	1.615	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	4023 Governor Dr, San Diego, CA, 92122-2522	San Diego	San Diego	2190	0	1.4	0	0	0	0	0	UWED
Greater Valley Conservation Corps	403 F Street, Los Banos, CA, 95635	Los Banos	Merced	0	0.4895	0.9655	1.168	0	0	0	0	UWED
Attan Recycling Corporation	4033 Ball Rd, Cypress, CA, 90630	Cypress	Orange	0	10	2.4855	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	4035 Adolfo Rd, Camarillo, CA, 93012	Camarillo	Ventura	0	6.958	1.196	0	0	0	0	0	UWED
my ewaste drop off	404 8th St, Ramona, CA, 92065	Ramona	Riverside	0	1.4045	0.991	0	0	0	0	0	UWED

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Goodwill Sacramento	4040 Florin Rd, Sacramento, CA, 95823-1804	Sacramento	Sacramento	0	20	1.5405	0	0	0	0	0	UWED
PG&E	4040 West Ln, Stockton, CA, 95204-2436	Stockton	San Joaquin	0	0.125	0	0.1	0	0	0	0	UWED
AT&T Services, Inc.	4042 37TH ST, San Diego, CA, 92105	San Diego	San Diego	0	3.54	0	0	0	0	0	0	UWED
Office Depot, Inc.	40444 Winchester Rd, Temecula, CA, 92591	Temecula	Riverside	0	2.476	0	0	0	0	0	0	UWED
AT&T	4051 Newton Rd, Stockton, CA, 95205-2406	Stockton	San Joaquin	0	5.726	0	0	0	0	0	0	UWED
AT&T Services, Inc.	4075 Cincinnati Ave, Rocklin, CA, 95765-1412	Rocklin	Placer	0	1.601	0	0	0	0	0	0	UWED
Recology Auburn Placer	4081 Alvis Court, Rocklin, CA, 95677	Rocklin	Placer	0	2.62	0.961	0	0	0	0	0	UWED
Attan Recycling Corporation	40820 Winchester Rd, Temecula, CA, 92591	Temecula	Riverside	0	30	10	0	0	0	0	0	UWED
Solid Wastes of Willits, Inc.	40855 Fish Rock Rd, Gualala, CA, 95445	Gualala	Mendocino	0	0.915	2.668	0	0	0	0	0	UWED
El Dorado Disposal	4100 Throwita Way, Placerville, CA, 95667-6939	Placerville	El Dorado	0	100	80	0	0	0	0	0	UWED
PG&E	4101 Wible Rd, Bakersfield, CA, 93313-2621	Bakersfield	Kern	0	0.85	0	0	0	0	0	0	UWED
Attan Recycling Corporation	41040 California Oaks Rd, Murrieta, CA, 92562-5749	Murrieta	Riverside	0	20	6.1285	0	0	0	0	0	UWED
Goodwill industries of South	411 Finley Dr, Taft, CA, 93268-2416	Taft	Kern	0	20	0.375	0	0	0	0	0	UWED
Staples, Inc.	411 Grass Valley Hwy, Auburn, CA, 95603-3713	Auburn	Placer	0	6.9545	0.157	0	0	0	0	0	UWED
Computers for Classroms	411 Otterson Drive, Chico, CA, 95928-8241	Chico	Butte	0	290	400	1.625	0	0	0	0	UWED
Fremont Recycling and Transfer Stat	41149 Boyce Rd, Fremont, CA, 94538-3199	Fremont	Alameda	0	70	20	0	0	0	0	0	UWED
Fremont Recycling & Transfer Station HHW Facility	41149 Boyce Rd Ste HHW, Fremont, CA, 94538-3199	Fremont	Alameda	0	130	20	0	0	0	0	0	UWED
PG&E	4115 Arrow St, Bakersfield, CA, 93308	Bakersfield	Kern	0	0.725	0	0.025	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	412 N Fairview St, Santa Ana, CA, 92703-3412	Santa Ana	Orange	0	30	4.615	0	0	0	0	0	UWED
Goodwill SOLAC	4121 Atlantic Avenue, Long Beach, CA, 90807	Long Beach	Los Angeles	0	3.583	1.0825	0	0	0	0	0	UWED
Goodwill Sacramento	4126 Manzanita Ave, Carmichael, CA, 95608-2770	Carmichael	Sacramento	0	10	1.1775	0	0	0	0	0	UWED
Republic Services	4133 Bandini Blvd., Vernon, CA, 90058	Vernon	Los Angeles	0	0.286	0	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Safety-Kleen Systems, Inc.	4139 N Valentine Ave, Fresno, CA, 93722	Fresno	Fresno	0	6.858	1.125	0.0525	0	0	0	0	UWED
Enviro - We USA llc	4150 Oceanside Blvd, Oceanside, CA, 92056	Oceanside	San Diego	0	1.792	0.1925	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	4150 Ute Dr, San Diego, CA, 92117	San Diego	San Diego	0	3.4545	1.3765	0	0	0	0	0	UWED
Charter Communications	41551 10th Street W., Palmdale, CA, 92504	Palmdale	Los Angeles	0	8.1035	0	0	0	0	0	0	UWED
Goodwill Industries	4160 El Camino Real, Atascadero, CA, 93422	Atascadero	San Luis Obispo	0	0.0135	60	0	0	0	0	0	UWED
PG&E	4165 E Childs Ave, Merced, CA, 95341	Merced	Merced	0	0.7	0	0	0	0	0	0	UWED
my ewaste drop off	41669 Winchester Rd, temecula, CA, 92590	temecula	Riverside	0	9.082	4.844	0	0	0	0	0	UWED
Burrtec Waste & Recycling Services	41800 Corporate Way, Palm Desert, CA, 92260	Palm Desert	Riverside	0	40	9.7945	0	0	0	0	0	UWED
E-recycling of California	41970 Garstin Road, Big Bear Lake, CA, 92315	Big Bear Lake	San Bernardino	0	30	30	0	0	0	0	0	UWED
Alameda County Computer Resource Center	42 Digital Dr Ste 3, Novato, CA, 94949-5762	Novato	Marin	5000	0	7.775	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	420 N. 2nd St., El Cajon, CA, 92021	El Cajon	San Diego	2650	0	4.125	0	0	0	0	0	UWED
Pacific Bell Telephone Company	420 S Grand Ave, Los Angeles, CA, 90071-1902	Los Angeles	Los Angeles	0	1.253	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	42000 Boyce Rd, Fremont, CA, 94538-3111	Fremont	Alameda	0	2.64	0	0	0	0	0	0	UWED
Florin Perkins Public Disposal Site	4201 Florin Perkins Rd, Sacramento, CA, 95826-4829	Sacramento	Sacramento	0	30	20	0	0	0	0	0	UWED
PG&E	42100 Boyce Rd, Fremont, CA, 94538	Fremont	Alameda	0	80	0	0	0	0	0	0	UWED
PG&E	42105 Boyce Rd, Fremont, CA, 94538-3110	Fremont	Alameda	0	100	0	0	0	0	0	0	UWED
DISH Network	4223 Fairgrounds St, Riverside, CA, 92501-1771	Riverside	Riverside	0	1.5305	0	0	0	0	0	0	UWED
Attan Recycling Corporation	4226 Woodruff Ave, Lakewood, CA, 90713	Lakewood	Los Angeles	0	10	2.0975	0	0	0	0	0	UWED
USA Waste of California Inc. dba Waste Management of Nevada	423 Nimrod St, Nevada City, CA, 95959-2827	Nevada City	Nevada	0	1.9165	0.463	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	4233 Santa Anita Ave, El Monte, CA, 91731-1670	El Monte	Los Angeles	0	8.082	4.2245	0	0	0	0	0	UWED
Best Buy	4236 S Mooney Blvd, Visalia, CA, 93277-9143	Visalia	Tulare	0	20	1.9045	0	0	0	0	0	UWED
Goodwill Industries	4240 Giggling Road, Monterey, CA, 93944	Monterey	Monterey	0	0.6585	0.35	0	0	0	0	0	UWED
PG&E	425 Beck Ave, Fairfield, CA, 94533-6808	Fairfield	Solano	0	7.121	0	0	0	0	0	0	UWED

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Operation Think Pink	4250 Van Buren Blvd, Riverside, CA, 92503	Riverside	Riverside	0	3.8	3.665	0	0	0	0	0	UWED
Pacific Bell Telephone Company	4255 Ruffin Rd, San Diego, CA, 92123-1821	San Diego	San Diego	0	3.275	0	0	0	0	0	0	UWED
San Diego Futures Foundation	4283 El Cajon Blvd, San Diego, CA, 92105-1289	San Diego	San Diego	0	50	4.796	0	0	0	0	0	UWED
Pacific Bell Telephone Company	430 Bush St, San Francisco, CA, 94108-3735	San Francisco	San Francisco	0	0.214	0	0	0	0	0	0	UWED
Maximum Recycling	430 Olive Ave, Vista, CA, 92083	Vista	San Diego	0	0	2.116	6.518	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	43200 Business Park Dr, Temecula, CA, 92590-3684	Temecula	Riverside	0	1.82	0.125	0	0	0	0	0	UWED
PG&E	4325 S Higuera St, San Luis Obispo, CA, 93401-7701	San Luis Obispo	San Luis Obispo	0	1.485	0	0.165	0	0	0	0	UWED
Los Angeles Dept. of Water & Power	433 Temple Street, Los Angeles, CA, 90012	Los Angeles	Los Angeles	0	0.131	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	435 N Johnson Ave, El Cajon, CA, 92020-3115	El Cajon	San Diego	0	1.7295	0	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	4359 Home Ave, San Diego, CA, 92105-4701	San Diego	San Diego	2240	0	3.325	0	0	0	0	0	UWED
Amazon.com Services, LLC	4375 N Perris Blvd, Perris, CA, 92571	Perris	Riverside	0	20	0	0	0	0	0	0	UWED
E-recycling of California	440 S. McPherrin Ave., Monterey Park, CA, 91754	Monterey Park	Los Angeles	0	8.012	1.7005	0	0	0	0	0	UWED
Pacific Bell Telephone Company	4400 Black Ave, Pleasanton, CA, 94566-6105	Pleasanton	Alameda	0	2.6815	0	0	0	0	0	0	UWED
PG&E	4400 EAST HIGHWAY 140, MERCED, CA, 95340	MERCED	Merced	0	0.975	0	0	0	0	0	0	UWED
Goodwill Sacramento	4401 Elkhorn Blvd, Sacramento, CA, 95842-3777	Sacramento	Sacramento	0	20	1.387	0	0	0	0	0	UWED
County of Yolo	44090 County Road 28H, Woodland, CA, 95776-9101	Woodland	Yolo	0	320	80	0	0	0	0	0	UWED
Republic Services (Allied Waste Services)	441 N Buchanan Cir, Pacheco, CA, 94553-5119	Pacheco	Contra Costa	0	60	20	0	0	0	0	0	UWED
Western Digital Technologies	44100 Osgood Rd, Fremont, CA, 94539	Fremont	Alameda	0	3.734	0	0.035	0	0	0	0	UWED
El Dorado Disposal	4421 Latrobe Rd, El Dorado Hills, CA, 95762-6704	El Dorado Hills	El Dorado	0	20	8.912	0	0	0	0	0	UWED
County of Santa Barbara	4430 Calle Real, Santa Barbara, CA, 93110-1002	Santa Barbara	Santa Barbara	0	110	20	0	0	0	0	0	UWED

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Pacific Bell Telephone Company	4434 Mountain Lakes Blvd, Redding, CA, 96003-1445	Redding	Shasta	0	0.626	0	0	0	0	0	0	UWED
my ewaste drop off	4444 University Pkwy, San Bernardino, CA, 92407	San Bernardino	San Bernardino	0	1.5265	0.763	0	0	0	0	0	UWED
Best Buy	44449 Town Center Way, Palm Desert, CA, 92260-2729	Palm Desert	Riverside	0	30	2.033	0	0	0	0	0	UWED
AT&T Services, Inc.	445 Airport Blvd, Salinas, CA, 93905-3341	Salinas	Monterey	0	0.5505	0	0	0	0	0	0	UWED
Charter Communications	4450 California Ave, Bakersfield, CA, 93309	Bakersfield	Kern	0	4.599	0	0	0	0	0	0	UWED
Heroes Deserve Help	446 W Arrow Hwy Ste 5, San Dimas, CA, 91773-2921	San Dimas	Los Angeles	0	20	4.8595	0	0	0	0	0	UWED
Staples, Inc.	44620 Valley Central Way, Lancaster, CA, 93536-6533	Lancaster	Los Angeles	0	6.741	0.266	0	0	0	0	0	UWED
DISH Network	4487 Pacific St, Rocklin, CA, 95677	Rocklin	Placer	0	0.6855	0	0	0	0	0	0	UWED
Y2K Electronics Recycling	44875 Industrial Dr Ste C, Fremont, CA, 94538-3298	Fremont	Alameda	0	8.244	8.402	0	0	0	0	0	UWED
Waste Management Carson Transfer	4489 Ardine St, South Gate, CA, 90280-2532	South Gate	Los Angeles	0	5.4315	5.8675	0	0	0	0	0	UWED
Pacific Bell Telephone Company	44900 Industrial Dr, Fremont, CA, 94538-6435	Fremont	Alameda	0	0.796	0	0	0	0	0	0	UWED
Staples, Inc.	4498 Treat Blvd, Concord, CA, 94521-2704	Concord	Contra Costa	0	8.182	0.2615	0	0	0	0	0	UWED
Costco Wholesale Corporation	450 10th Street, San Francisco, CA, 94103	San Francisco	San Francisco	0	6.5195	0.02	0	0	0	0	0	UWED
Best Buy	4500 Van Nuys Blvd, Sherman Oaks, CA, 91403-2913	Sherman Oaks	Los Angeles	0	40	2.1385	0	0	0	0	0	UWED
Costco Wholesale Corporation	4500 W Shaw, Fresno, CA, 93722	Fresno	Fresno	0	5.1225	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	4501 Pacheco Blvd, Martinez, CA, 94553-2233	Martinez	Contra Costa	0	0.8525	0	0	0	0	0	0	UWED
ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	4501 Pleasanton Avenue, Pleasanton, CA, 94566	Pleasanton	Alameda	0	6.0965	0.5145	0	0	0	0	0	UWED
my ewaste drop off	4518 San Bernardino St, Montclair, CA, 91763	Montclair	Los Angeles	0	1.5055	0.8015	0	0	0	0	0	UWED
Advocacy for Respect and Choice-Long Beach, Inc.	4519 E. Stearns St., Long Beach, CA, 90815	Long Beach	Los Angeles	0	20	0	0	0	0	0	0	UWED
City of Los Angeles	452 N San Fernando Rd, Los Angeles, CA, 90031-1732	Los Angeles	Los Angeles	0	60	90	0	0	0	0	0	UWED

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DIRECTV, LLC	4522 Parker Ave Bldg 700, McClellan, CA, 95652-2027	McClellan	Sacramento	0	10	0	0	0	0	0	0	UWED
MCAS Miramar	45249 Miramar Way, San Diego, CA, 92145-5005	San Diego	San Diego	0	30	10	0	0	0	0	0	UWED
PG&E	4525 Hollis St, Emeryville, CA, 94608-2911	Emeryville	Alameda	0	0.4675	0	0.0175	0	0	0	0	UWED
Amazon.com Services, LLC	4532 Newcastle Road, Stockton, CA, 95215	Stockton	San Joaquin	0	10	0	0	0	0	0	0	UWED
Unlimited Recycling	45339 Division St., Lancaster, CA, 93535	Lancaster	Los Angeles	0	130	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	4550 E. Chapman Ave., Orange, CA, 92869	Orange	Orange	0	9.8865	1.9425	0	0	0	0	0	UWED
Tesla Inc.	45500 Fremont Blvd, Fremont, CA, 94538	Fremont	Alameda	0	440	0	0	0	0	0	0	UWED
The Salvation Army	456 E Holt Ave, Pomona, CA, 91767-5540	Pomona	Los Angeles	0	10	20	5.2735	0	0	0	0	UWED
San Jose Conservation Corps	457 E Calaveras Blvd, Milpitas, CA, 95035	Milpitas	Santa Clara	0	1.113	0.1	0	0	0	0	0	UWED
Goodwill of San Francisco	46 5th Ave, Redwood City, CA, 94063-3602	Redwood City	San Mateo	0	80	0.5635	0	0	0	0	0	UWED
SA Recycling	460 E Holton Rd, El Centro, CA, 92243-9444	El Centro	Imperial	0	1.0595	0	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	4600 Blackrock Dr, Sacramento, CA, 95835-1250	Sacramento	Sacramento	0	1.644	0.2	0	0	0	0	0	UWED
City of Los Angeles	4600 Colorado Blvd, Los Angeles, CA, 90039-1106	Los Angeles	Los Angeles	0	270	30	0	0	0	0	0	UWED
University of California, Irvine	4600 Health Sciences Road, Irvine, CA, 92697	Irvine	Orange	0	10	0.606	0	0	0	0	0	UWED
Arrow Recovery Group	46025 Warm Springs Blvd, Fremont, CA, 94539-7013	Fremont	Alameda	0	10	5.25	0	0	0	0	0	UWED
Greater Valley Conservation Corps	4606 McCuen Ave, Stockton, CA, 95206	Stockton	San Joaquin	0	0.6205	1.7525	1.2175	0	0	0	0	UWED
AT&T	4619 Main Street, Chula Vista, CA, 91911	Chula Vista	San Diego	0	5.3235	0	0	0	0	0	0	UWED
PG&E	4636 Missouri Flat Rd, Placerville, CA, 95667-6823	Placerville	El Dorado	0	0.8	0	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	4639 Felton St., San Diego, CA, 92116	San Diego	San Diego	0	1.488	0.472	0	0	0	0	0	UWED
Lam Research Corporation	4650 Cushing Pkwy, Fremont, CA, 94538-6401	Fremont	Alameda	0	20	0	0.001	0	0	0	0	UWED
my ewaste drop off	466 E La Cadena Dr, Riverside, CA, 92507	Riverside	Riverside	0	0.9685	0.7665	0	0	0	0	0	UWED
Pacific Bell Telephone Company	467 E Vernon Ave, Los Angeles, CA, 90011-3450	Los Angeles	Los Angeles	0	1.496	0	0	0	0	0	0	UWED
Community Services &	467 Mt. Vernon, Lindsay, CA, 93247	Lindsay	Tulare	0	3.75	2.125	0	0	0	0	0	UWED

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Goodwill Industries	470 Main St, Watsonville, CA, 95076-4611	Watsonville	Santa Cruz	0	0.013	60	0	0	0	0	0	UWED
Staples, Inc.	470 Noor Ave, South San Francisco, CA, 94080-5957	South San Francisco	San Mateo	0	20	0.664	0	0	0	0	0	UWED
Office Depot, Inc.	470 River St, Santa Cruz, CA, 95060	Santa Cruz	Santa Cruz	0	0.833	0	0	0	0	0	0	UWED
C&S Waste Solutions of Lassen County	471-825 Diane Dr, Susanville, CA, 96130-7742	Susanville	Lassen	0	4.056	2.85	0	0	0	0	0	UWED
Office Depot, Inc.	4731 Telephone Rd, Ventura, CA, 93003	Ventura	Ventura	0	5.153	0	0	0	0	0	0	UWED
Morongo Environmental Protection Department	47350 Foothill Rd, Banning, CA, 92220-2885	Banning	Riverside	0	10	2.175	0	0	0	0	0	UWED
Recycling Industries	4741 Watt Ave, North Highlands, CA, 95660-5526	North Highlands	Sacramento	0	20	1.879	0	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	476 Rohnert Park Expy W, Rohnert Park, CA, 94928-7931	Rohnert Park	Sonoma	0	4.132	1.925	0	0	0	0	0	UWED
Costco Wholesale Corporation	480 N McKinley St, Corona, CA, 92879	Corona	Riverside	0	9.589	0.053	0	0	0	0	0	UWED
Stanford University	480 Oak Rd, Stanford, CA, 94305-4507	Stanford	Santa Clara	0	90	2.9655	0	0	0	0	0	UWED
Costco Wholesale Corporation	4801 Central Avenue, Richmond, CA, 94804	Richmond	Contra Costa	0	10	0.018	0	0	0	0	0	UWED
PG&E	4801 Oakport St, Oakland, CA, 94601-4907	Oakland	Alameda	0	0.275	0	0	0	0	0	0	UWED
FC Management	4810 Foothill Rd., Carpinteria, CA, 93013	Carpinteria	Santa Barbara	0	5.9915	1.6525	0	0	0	0	0	UWED
Pacific Bell Telephone Company	4815 Oak Grove Dr, La Canada Flintridge, CA, 91011-3760	La Canada Flintridge	Los Angeles	0	0.414	0	0	0	0	0	0	UWED
Best Buy	4820 Dublin Blvd, Dublin, CA, 94568-7566	Dublin	Alameda	0	50	2.709	0	0	0	0	0	UWED
Attan Recycling Corporation	4845 Casa Loma Ave, Yorba Linda, CA, 92886	Yorba Linda	Orange	0	30	20	0	0	0	0	0	UWED
TVI, INC.	4852 Valley View Avenue, Yorba Linda, CA, 92886	Yorba Linda	Orange	0	20	0	0	0	0	0	0	UWED
Burrtec Waste & Recycling Services	4878 Newton Ln, Yucca Valley, CA, 92284-7125	Yucca Valley	Riverside	0	30	10	0	0	0	0	0	UWED
my ewaste drop off	4880 Lion Ave, San Diego, CA, 92120	San Diego	San Diego	0	2.286	1.108	0	0	0	0	0	UWED
AT&T	4890 Market Street, San Diego, CA, 92102	San Diego	San Diego	0	0.562	0	0	0	0	0	0	UWED
Electronic Recyclers International	4898 E. Annadale Ave., Fresno, CA, 93725	Fresno	Fresno	0	90	30	0	0	0	0	0	UWED
Pacific Bell Telephone Company	490 Foothill Rd, Beverly Hills, CA, 90210-3603	Beverly Hills	Los Angeles	0	2.9035	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	490 Main St, Chula Vista, CA, 91911-6025	Chula Vista	San Diego	0	5.3235	0	0	0	0	0	0	UWED

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Attan Recycling Corporation	490 N Mckinley St, Corona, CA, 92879-1291	Corona	Riverside	0	20	6.609	0	0	0	0	0	UWED
Costco Wholesale Corporation	4900 Panama Lane, Bakersfield, CA, 93313	Bakersfield	Kern	0	10	0	0	0	0	0	0	UWED
Amazon.com Services, LLC	4900 W Elkhorn Boulevard, Sacramento, CA, 95814	Sacramento	Sacramento	0	90	0	0	0	0	0	0	UWED
Attan Recycling Corporation	4921 Cedar Ave, El Monte, CA, 91732-1035	El Monte	Los Angeles	0	1.055	0.2385	0	0	0	0	0	UWED
human-I-T	4941 S Eastern Ave, Bell, CA, 90201	Bell	Los Angeles	0	610	7.9295	0	0	0	0	0	UWED
San Diego Gas & Electric	4949 Greencraig Ln, San Diego, CA, 92123-1675	San Diego	San Diego	0	20	0	0	0	0	0	0	UWED
my ewaste drop off	495 North 7th Street, Colton, CA, 92324	Colton	San Bernardino	0	3.091	2.847	0	0	0	0	0	UWED
Amazon.com Services, LLC	4950 Goodman Way, Building I, Eastvale, CA, 91752	Eastvale	Riverside	0	60	0	0	0	0	0	0	UWED
Kern County Public Works	4951 Standard St, Bakersfield, CA, 93308-4531	Bakersfield	Kern	0	40	4.2005	0	0	0	0	0	UWED
my ewaste drop off	4955 A St, San Diego, CA, 92102	San Diego	San Diego	0	0.979	0.8355	0	0	0	0	0	UWED
DISH Network	4981 Park Rd, Benicia, CA, 94510-1190	Benicia	Solano	0	0.8805	0	0	0	0	0	0	UWED
PG&E	5 MI S HWY88 ON TIGER CK RD, BUCKHORN, CA, 93760	BUCKHORN	Amador	0	0.475	0	0.13	0	0	0	0	UWED
Blue Line Transfer Inc	500 E Jamie Ct, South San Francisco, CA, 94080-6222	South San Francisco	San Mateo	0	50	20	0	0	0	0	0	UWED
Feather River Disposal	500 Greenville Rd-Dump road, Greenville, CA, 95946	Greenville	Plumas	0	3.713	3.522	0	0	0	0	0	UWED
Corporate Ewaste Solutions	500 Inland Center Dr., San Bernardino, CA, 92408	San Bernardino	San Bernardino	0	3.06	1.5365	0	0	0	0	0	UWED
San Bernardino Co Fire-HHW	500 Kansas Ave, Redlands, CA, 92374	Redlands	San Bernardino	0	40	6.45	0	0	0	0	0	UWED
Corporate Ewaste Solutions	500 Lakewood Center Mall, Lakewood, CA, 90714	Lakewood	Los Angeles	0	30	5.408	0	0	0	0	0	UWED
Sonoma County Waste Management Agency	500 Meham Rd., Petaluma, CA, 95452	Petaluma	Sonoma	0	260	70	0	0	0	0	0	UWED
City of Burbank	500 S Flower St, Burbank, CA, 91502-2106	Burbank	Los Angeles	0	90	30	0	0	0	0	0	UWED
Best Buy	500 Westminster Mall, Westminster, CA, 92683-4977	Westminster	Orange	0	30	1.8325	0	0	0	0	0	UWED
San Onofre Nuclear Generating	5000 Pacific Coast Hwy, San Clemente, CA, 92674	San Clemente	San Diego	0	10	0.302	0	0	0	0	0	UWED



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Best Buy	5000 W 147th St, Hawthorne, CA, 90250-6709	Hawthorne	Los Angeles	0	30	2.0125	0	0	0	0	0	UWED
Pacific Bell Telephone Company	5001 Executive Pkwy, San Ramon, CA, 94583-5006	San Ramon	Contra Costa	0	10	0	0	0	0	0	0	UWED
AT&T	5005 Executive Parkway, San Ramon, CA, 94583-5006	San Ramon	Contra Costa	0	5.281	0	0	0	0	0	0	UWED
Goodwill Sacramento	5005 Stockton Blvd., Sacramento, CA, 95820	Sacramento	Sacramento	0	8.212	0.7265	0	0	0	0	0	UWED
Conservation Corps North Bay	501 Asti Rd., Cloverdale, CA, 95425	Cloverdale	Sonoma	0	6.1525	0.8735	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	501 Glendora Ave, La Puente, CA, 91744-4017	La Puente	Los Angeles	0	7.043	3.0845	0	0	0	0	0	UWED
Goodwill Industries	501 Riverside Ave, Paso Robles, CA, 93446-2635	Paso Robles	San Luis Obispo	0	0.0005	1.525	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	502 E 1st St, Tustin, CA, 92780-3347	Tustin	Orange	0	30	4.1755	0	0	0	0	0	UWED
Costco Wholesale Corporation	5030 Hamner Avenue, Eastvale, CA, 91752	Eastvale	Riverside	0	6.5985	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	5035 Coliseum St, Los Angeles, CA, 90016-5305	Los Angeles	Los Angeles	0	3.994	0	0	0	0	0	0	UWED
Enviro - We USA llc	5040 Laguna Blvd, Elk Grove, CA, 95758	Elk Grove	Sacramento	0	6.8015	3.773	0	0	0	0	0	UWED
A&J Hauling	5041 Blum Rd., Martinez, CA, 94553	Martinez	Contra Costa	0	30	10	0	0	0	0	0	UWED
Pacific Bell Telephone Company	5041 Repetto Ave, Los Angeles, CA, 90022-1960	Los Angeles	Los Angeles	0	2.182	0	0	0	0	0	0	UWED
my ewaste drop off	5050 N Sierra Way, San Bernardino, CA, 92404	San Bernardino	San Bernardino	0	1.3615	0.922	0	0	0	0	0	UWED
Safety-Kleen Systems, Inc.	5050 Salida Blvd, Salida, CA, 95368	Salida	Stanislaus	0	4.715	0	0	0.625	0	0	0	UWED
San Bernardino Co Fire-HHW	5050 Schaefer Ave, Chino, CA, 91710-5549	Chino	San Bernardino	0	40	4.325	0	0	0	0	0	UWED
Best Buy	5065 Almaden Expy, San Jose, CA, 95118-2051	San Jose	Santa Clara	0	30	1.6985	0	0	0	0	0	UWED
Staples, Inc.	510 N 11th Ave, Hanford, CA, 93230-4491	Hanford	Kings	0	10	0.2685	0	0	0	0	0	UWED
Recology Auburn Placer	5100 Sierra College Blvd., Rocklin, CA, 95677	Rocklin	Placer	0	5.579	0.8755	0	0	0	0	0	UWED
Costco Wholesale Corporation	5101 Business Center Drive, Fairfield, CA, 94534	Fairfield	Solano	0	3.9495	0	0	0	0	0	0	UWED
Best Buy	5101 Clark Ave, Lakewood, CA, 90712-2604	Lakewood	Los Angeles	0	20	0.991	0	0	0	0	0	UWED
Goodwill Sacramento	5107 Fair Oaks Blvd, Carmichael, CA, 95608-5702	Carmichael	Sacramento	0	1.635	0.1445	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Cox Communications, Inc.	511 Telegraph Canyon Road, Chula Vista, CA, 91910	Chula Vista	San Diego	0	0.5525	0	0	0	0	0	0	UWED
Goodwill Sacramento	5117 Folsom Blvd, Sacramento, CA, 95819-4534	Sacramento	Sacramento	0	0.7705	0.068	0	0	0	0	0	UWED
A1 electronic recycling team	5125 W Washington Blvd, Los Angeles, CA, 90016-1307	Los Angeles	Los Angeles	0	130	110	0	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	513 Healdsburg Ave, Healdsburg, CA, 95448-3816	Healdsburg	Sonoma	0	4.223	2.2	0	0	0	0	0	UWED
Comcast Cable Communications Management LLC	5133 Fulton Dr, Fairfield, CA, 94534-1638	Fairfield	Solano	0	7.4105	0	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	5145 E Los Angeles Ave, Simi Valley, CA, 93063	Simi Valley	Ventura	0	20	2.8855	0	0	0	0	0	UWED
Pacific Bell Telephone Company	515 Chappel Rd, Watsonville, CA, 95076-2402	Watsonville	Santa Cruz	0	0.6235	0	0	0	0	0	0	UWED
Universal Waste Disposal Company	515 Raleigh Ave, El Cajon, CA, 92020	El Cajon	San Diego	0	70	0.208	0	0	0	0	0	UWED
Best Buy	5151 Mission Center Rd, San Diego, CA, 92108-3212	San Diego	San Diego	0	50	3.01	0	0	0	0	0	UWED
Onsite Electronics Recycling	5151 Pacific Ave., Stockton, CA, 95207	Stockton	San Joaquin	0	3.013	2.248	0	0	0	0	0	UWED
Computers 2 SD Kids (C2SDK)	5159 Federal Blvd, San Diego, CA, 92105	San Diego	San Diego	0	1.7485	0.8945	0	0	0	0	0	UWED
City of San Diego	5180 Convoy St, San Diego, CA, 92111-1208	San Diego	San Diego	0	0.688	20	0	0	0	0	0	UWED
Operation Think Pink	5185 Waring rd, San Diego, CA, 92120	San Diego	San Diego	0	2.703	1.5005	0	0	0	0	0	UWED
Costco Wholesale Corporation	520 N Lone Hill Ave, San Dimas, CA, 91773	San Dimas	Los Angeles	0	9.2795	0	0	0	0	0	0	UWED
PG&E	5221 Quinn Rd, Vacaville, CA, 95688-9453	Vacaville	Solano	0	2.45	0	0	0	0	0	0	UWED
Onsite Electronics Recycling	5224 E. Morada Ln., Stockton, CA, 95212	Stockton	San Joaquin	0	0.3565	0.525	0	0	0	0	0	UWED
my ewaste drop off	5225 Canyon Crest Dr, Riverside, CA, 92507	Riverside	Riverside	0	3.387	1.2845	0	0	0	0	0	UWED
Attan Recycling Corporation	524 S Workman Mill Rd, La Puente, CA, 91746	La Puente	Los Angeles	0	6.478	2.3525	0	0	0	0	0	UWED
Enviro - We USA llc	5241 Warner Ave, Huntington Beach, CA, 92649	Huntington Beach	Orange	0	5.278	1.5045	0	0	0	0	0	UWED
3 Way Thrift Store, Inc	5242 F Street, Chino, CA, 91710	Chino	San Bernardino	0	3.0275	0.6055	0	0	0	0	0	UWED
Office Depot, Inc.	525 E Cypress Ave, Redding, CA, 96002	Redding	Shasta	0	0.3325	0	0	0	0	0	0	UWED

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Mate Enterprises, Inc.	525 N Shaffer St, Orange, CA, 92867	Orange	Orange	0	0.7135	0.1905	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	525 S Hewitt St, Los Angeles, CA, 90013	Los Angeles	Los Angeles	0	0.119	0	0	0	0	0	0	UWED
Black Gold Industries	527 North Rice Ave, Oxnard, CA, 93030	Oxnard	Ventura	0	2	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	5285 Doyle Rd, San Jose, CA, 95129-4230	San Jose	Santa Clara	0	0.315	0	0	0	0	0	0	UWED
AT&T	530 E 14th St, San Leandro, CA, 94577-2843	San Leandro	Alameda	0	1.051	0	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	530 E Los Angeles Ave, Simi Valley, CA, 93065-1817	Simi Valley	Ventura	0	10	2.061	0	0	0	0	0	UWED
Pacific Bell Telephone Company	530 Freeman Ln, Grass Valley, CA, 95949-9615	Grass Valley	Nevada	0	0.5035	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	5300 Lost Hills Rd, Agoura, CA, 91301-2340	Agoura	Los Angeles	0	5.577	1.8905	0	0	0	0	0	UWED
my ewaste drop off	5301 Mare Rd, Oceanside, CA, 92507	Oceanside	San Diego	0	2.0605	0.6675	0	0	0	0	0	UWED
Green World Recycling Inc	531 Eckhart Road, Salinas, CA, 93908	Salinas	Monterey	0	20	5.35	0	0	0	0	0	UWED
Safety-Kleen Systems, Inc.	5310 Overpass Rd, Santa Barbara, CA, 93111-2008	Santa Barbara	Santa Barbara	0	4.805	0	0.035	0	0	0	0	UWED
PSC Environmental Services	5320 Gage Ave, Bell, CA, 90201-1533	Bell	Los Angeles	0	2.9975	1.113	0	0	0	0	0	UWED
Onsite Electronics Recycling	533 S Los Angeles St, Stockton, CA, 95203-3028	Stockton	San Joaquin	0	0.483	1.5995	0	0	0	0	0	UWED
Best Buy	5350 Raley Blvd., Sacramento, CA, 95838	Sacramento	Sacramento	0	30	2.527	0	0	0	0	0	UWED
Athens Services	5355 Vincent Ave, Irwindale, CA, 91706-2043	Irwindale	Los Angeles	0	2.5745	2.13	0	0	0	0	0	UWED
US Ecology Vernon Inc.	5375 South Boyle Avenue, Vernon, CA, 90058	Vernon	Los Angeles	0	250	0	0	0	0	0	0	UWED
Santa Barbara Computer Recycling	5378 Dariesa St, Carpinteria, CA, 93013-1510	Carpinteria	Santa Barbara	0	20	0.699	0	0	0	0	0	UWED
my ewaste drop off	538 N Quince St., Escondido, CA, 92025	Escondido	San Diego	0	2.801	2.797	0	0	0	0	0	UWED
my ewaste drop off	5383 Martin St, Jurupa Valley, CA, 91752	Jurupa Valley	Riverside	0	0.721	0.5505	0	0	0	0	0	UWED
my ewaste drop off	5395 N F St, San Bernardino, CA, 92407	San Bernardino	San Bernardino	0	2.8885	2.0565	0	0	0	0	0	UWED
Allan Co	540 W Chevy Chase Dr, Glendale, CA, 91204-1814	Glendale	Los Angeles	0	60	30	0	0	0	0	0	UWED

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Best Buy	5400 Pacific Ave, Stockton, CA, 95207-5614	Stockton	San Joaquin	0	20	1.3465	0	0	0	0	0	UWED
Costco Wholesale Corporation	5401 Katella Ave, Cypress, CA, 90720	Cypress	Orange	0	4.6345	0.0065	0	0	0	0	0	UWED
Conservation Corps North Bay	5401 Snyder Ln, Rohnert Park, CA, 94928	Rohnert Park	Sonoma	0	10	2.137	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	5420 Montezuma Rd, San Diego, CA, 92115	San Diego	San Diego	0	1.555	0.683	0	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	543 N Cloverdale Blvd, Cloverdale, CA, 95425-3324	Cloverdale	Sonoma	0	2.7795	0.975	0	0	0	0	0	UWED
Enviro - We USA llc	543 Sweetwater Road, Spring Valley, CA, 91977	Spring Valley	San Diego	0	8.6875	4.034	0	0	0	0	0	UWED
Goodwill Sacramento	5445 Auburn Blvd, Sacramento, CA, 95841	Sacramento	Sacramento	0	8.157	0.7215	0	0	0	0	0	UWED
Pacific Bell Telephone Company	545 W Grand Ave, Oakland, CA, 94612-1617	Oakland	Alameda	0	0.598	0	0	0	0	0	0	UWED
Recology Sonoma Marin	55 Stony Point Rd., Santa Rosa, CA, 95401	Santa Rosa	Sonoma	0	4.943	0	0	0	0	0	0	UWED
Conservation Corps North Bay	55 Stony Point Road, Santa Rosa, CA, 95401	Santa Rosa	Sonoma	0	20	2.4935	0	0	0	0	0	UWED
City of Los Angeles	550 Charles E. Young Dr. West, Los Angeles, CA, 90095	Los Angeles	Los Angeles	0	160	1.1345	0	0	0	0	0	UWED
Community Services &	550 N Prospect St, Porterville, CA, 93257-1937	Porterville	Tulare	0	8.6	8.05	0	0	0	0	0	UWED
EDCO Waste & Recycling	550 W Aviation Rd, Fallbrook, CA, 92028-3219	Fallbrook	San Diego	0	8.29	2.2125	1.9775	0	0	0	0	UWED
Attan Recycling Corporation	5520 Woodruff Ave, Lakewood, CA, 90713	Lakewood	Los Angeles	0	30	5.3125	0	0	0	0	0	UWED
Office Depot, Inc.	5533 Rosemead Blvd, Temple City, CA, 91780	Temple City	Los Angeles	0	4.242	0	0	0	0	0	0	UWED
IBM Corporation	555 Bailey Ave, San Jose, CA, 95141-1003	San Jose	Santa Clara	0	10	0	0	0	0	0	0	UWED
Recycling Center & Transfer Station	555 California Ave., Pittsburg, CA, 94565	Pittsburg	Contra Costa	0	110	20	0	0	0	0	0	UWED
Pacific Bell Telephone Company	555 Lakeport Blvd, Lakeport, CA, 95453-5403	Lakeport	Lake	0	0.21	0	0	0	0	0	0	UWED
Community Services &	555 N. Prospect, Porterville, CA, 93257	Porterville	Tulare	0	7.8	5.825	0	0	0	0	0	UWED
City of Los Angeles	555 Ramirez St, Los Angeles, CA, 90012-2962	Los Angeles	Los Angeles	0	130	2.8605	0	0	0	0	0	UWED
Paramount Pictures	5555 Melrose Ave, Los Angeles, CA, 90038	Los Angeles	Los Angeles	0	3.7395	0	0.2265	0	0	0	0	UWED
A&J Electronics Recycling E-Waste	5575 Dartmouth Dr, San Jose, CA, 95118-3332	San Jose	Santa Clara	0	1.1305	0.482	0	0	0	0	0	UWED

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ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	5584 LA RIBERA ST, LIVERMORE, CA, 94550	LIVERMORE	Alameda	0	70	7.7215	0	0	0	0	0	UWED
Attan Recycling Corporation	5595 Rosemead Blvd, Temple City, CA, 91780	Temple City	Los Angeles	0	30	8.3665	0	0	0	0	0	UWED
Salvation Army ARC	56 W Del Mar Blvd, Pasadena, CA, 91105-2506	Pasadena	Los Angeles	0	9.7785	0	6.586	0	0	0	0	UWED
Office Depot, Inc.	5600 Stockdale Hwy, Bakersfield, CA, 93309	Bakersfield	Kern	0	3.245	0.0625	0	0	0	0	0	UWED
Western Digital Technologies, Inc.	5601 Great Oaks Pkwy, San Jose, CA, 95119-1003	San Jose	Santa Clara	0	30	0.05	0	0	0	0	0	UWED
Office Depot, Inc.	5640 Sepulveda Blvd, Culver City, CA, 90230	Culver City	Los Angeles	0	0.8815	0	0	0	0	0	0	UWED
A&G ELECTRONICS	5646 Jasper Street, Rancho Cucamonga, CA, 91701	Rancho Cucamonga	San Bernardino	0	1.9295	0.4875	0	0	0	0	0	UWED
AT&T	5649 Peck Road, Arcadia, CA, 91006	Arcadia	Los Angeles	0	10	0	0	0	0	0	0	UWED
City of San Rafael HHWF	565 Jacoby St, San Rafael, CA, 94901-5305	San Rafael	Marin	0	80	20	0	0	0	0	0	UWED
Pacific Bell Telephone Company	5650 Aldrin Ct, Bakersfield, CA, 93313-2110	Bakersfield	Kern	0	9.7355	0	0	0	0	0	0	UWED
Best Buy	567 Grand Ave, San Marcos, CA, 92078-1234	San Marcos	San Diego	0	30	1.78	0	0	0	0	0	UWED
Electronic Recyclers International	5680 N Maroa Ave, Fresno, CA, 93704-2039	Fresno	Fresno	0	2.5145	0.2285	0	0	0	0	0	UWED
Pacific Bell Telephone Company	57 W Kentucky Ave, Woodland, CA, 95695-5800	Woodland	Yolo	0	1.1385	0	0	0	0	0	0	UWED
So Cal E-Waste	570 Central Ave, Lake Elsinore, CA, 92530-2741	Lake Elsinore	Riverside	0	40	20	0	0	0	0	0	UWED
Costco Wholesale Corporation	5700 Lindero Canyon Road, Westlake Village, CA, 91362	Westlake Village	Los Angeles	0	7.1175	0	0	0	0	0	0	UWED
Office Depot, Inc.	5705 N Blackstone Ave, Fresno, CA, 93710	Fresno	Fresno	0	0.261	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	57090 Twentynine Palms Hwy., Yucca Valley, CA, 92284	Yucca Valley	San Bernardino	0	1.589	0.2	0	0	0	0	0	UWED
Goodwill Industries	571 Lighthouse Ave, Monterey, CA, 93940-1422	Monterey	Monterey	0	2.168	1.1	0	0	0	0	0	UWED
Pacific Bell Telephone Company	5749 Humboldt Hill Rd, Eureka, CA, 95503-6918	Eureka	Humboldt	0	2.074	0	0	0	0	0	0	UWED
Enviro - We USA llc	575 Cochran St, Simi Valley, CA, 93065-6279	Simi Valley	Ventura	0	10	3.9075	0	0	0	0	0	UWED
Pacific Bell Telephone Company	575 N Quince St, Escondido, CA, 92025-2523	Escondido	San Diego	0	3.355	0	0	0	0	0	0	UWED

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Santa Clara Valley Water District	5750 Almaden Expressway, San Jose, CA, 95118	San Jose	Santa Clara	0	10	0	0	0	0	0	0	UWED
Safety-Kleen Systems, Inc.	5750 Commerce Blvd, Rohnert Park, CA, 94928-1629	Rohnert Park	Sonoma	0	6.575	0	0	0	0	0	0	UWED
Emerald Transformer Los Angeles, LLC	5756 Alba St, Los Angeles, CA, 90058-3808	Los Angeles	Los Angeles	0	70	0.6	0	0	0	0	0	UWED
Angel View Inc.	57594 29 Palms Hwy, Yucca Valley, CA, 92284	Yucca Valley	Riverside	0	2.425	5.0125	0	0	0	0	0	UWED
PSC Environmental Services	5777 N Ventura Ave, Ventura, CA, 93001-1024	Ventura	Ventura	0	10	2.05	0	0	0	0	0	UWED
County of Ventura	5777 North Ventura Avenue, Ventura, CA, 93001	Ventura	Ventura	0	10	0	2.8065	0	0	0	0	UWED
County of Los Angeles Department of Public Works	57th St. and Heliotrope Ave., Maywood, CA, 90270	Maywood	Los Angeles	0	1.8185	0.7155	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	5880 Edinger Ave, Huntington Beach, CA, 92649	Huntington Beach	Orange	0	20	2.771	0	0	0	0	0	UWED
Office Depot, Inc.	5885 Lone Tree Way, Antioch, CA, 94531	Antioch	Contra Costa	0	1.0885	0	0	0	0	0	0	UWED
Pacific Coast Recycling, Inc.	5895 Obata Way, Gilroy, CA, 95020-7061	Gilroy	Santa Clara	0	10	8.3965	0	0	0	0	0	UWED
Best Buy	59 N Broadway, Chula Vista, CA, 91910-1417	Chula Vista	San Diego	0	20	1.3565	0	0	0	0	0	UWED
Costco Wholesale Corporation	5901 Redwood Drive, Rohnert Park, CA, 94928	Rohnert Park	Sonoma	0	3.7445	0	0	0	0	0	0	UWED
Goodwill Sacramento	5918 Palm Dr, Carmichael, CA, 95608	Carmichael	Sacramento	0	9.5935	0.8485	0	0	0	0	0	UWED
Pacific Bell Telephone Company	5946 Highway 9, Felton, CA, 95018-9681	Felton	Santa Cruz	0	0.343	0	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	5948 Westminster Blvd, Westminster, CA, 92683-3546	Westminster	Orange	0	10	1.7455	0	0	0	0	0	UWED
Community Services &	595 S. Valencia Blvd., Woodlake, CA, 93286	Woodlake	Tulare	0	5	5.175	0	0	0	0	0	UWED
JCPenney	5959 Palm Ave., San Bernardino, CA, 92407	San Bernardino	San Bernardino	0	4.641	1.54	0	0	0	0	0	UWED
Waste Mgmt of North County	5960 El Camino Real, Carlsbad, CA, 92008-8802	Carlsbad	San Diego	0	110	20	0	0	0	0	0	UWED
Waste Management	600 E Avenue F, Lancaster, CA, 93535-6412	Lancaster	Los Angeles	0	20	20	0	0	0	0	0	UWED
AT&T	600 E. Green Street, Pasadena, CA, 91101	Pasadena	Los Angeles	0	0.25	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	600 Mountain Avenue, Monrovia, CA, 91016	Monrovia	Los Angeles	0	4.784	2.6405	0	0	0	0	0	UWED

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Safety-Kleen Systems, Inc.	6000 88th St, Sacramento, CA, 95828-1119	Sacramento	Sacramento	0	10	0.0175	0.105	0	0	0	0	UWED
Best Buy	6000 Sepulveda Blvd, Culver City, CA, 90230-6421	Culver City	Los Angeles	0	20	1.3445	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	6006 Lincoln Ave, Cypress, CA, 90630	Cypress	Orange	0	30	5.1705	0	0	0	0	0	UWED
Genentech, Inc.	601 DNA Way, South San Francisco, CA, 94080	South San Francisco	San Mateo	0	30	0.0525	0	0	0	0	0	UWED
Goodwill Sacramento	6011 Stanford Ranch Rd Ste 108, Rocklin, CA, 95765-4416	Rocklin	Placer	0	20	1.4675	0	0	0	0	0	UWED
Office Depot, Inc.	602 Orange St, Redlands, CA, 92374	Redlands	San Bernardino	0	2.4915	0.0395	0	0	0	0	0	UWED
Kern County Public Works	6029 Wulstein Ave., Kern Valley, CA, 93238	Kern Valley	Kern	0	30	30	0	0	0	0	0	UWED
City of Santa Cruz	605 Dimeo Ln, Santa Cruz, CA, 95060-5610	Santa Cruz	Santa Cruz	0	30	20	0	0	0	0	0	UWED
PG&E	605 RIVER ROAD, Fulton, CA, 95439	Fulton	Sonoma	0	0.5	0	0	0	0	0	0	UWED
Goodwill industries of South	6051 White Ln, Bakersfield, CA, 93309-5667	Bakersfield	Kern	0	40	4.425	0	0	0	0	0	UWED
Onsite Electronics Recycling	607 Bird Ave, Stockton, CA, 95215-6017	Stockton	San Joaquin	0	0.618	0.9415	0	0	0	0	0	UWED
A&G ELECTRONICS	6080 Haven Avenue, Rancho Cucamonga, CA, 91737	Rancho Cucamonga	San Bernardino	0	2.355	0.8435	0	0	0	0	0	UWED
Alameda County Industries	610 Aladdin Ave, San Leandro, CA, 94577-4302	San Leandro	Alameda	0	9.135	1.9085	0	0	0	0	0	UWED
e-Recycling of California	610 Foster City Blvd, Foster City, CA, 94404-2222	Foster City	San Mateo	0	3.1915	0.336	0	0	0	0	0	UWED
Costco Wholesale Corporation	6100 Sepulveda Boulevard, Van Nuys, CA, 91411	Van Nuys	Los Angeles	0	6.6835	0	0	0	0	0	0	UWED
my ewaste drop off	6101 Cherry Ave #111, Fontana, CA, 92336	Fontana	San Bernardino	0	4.041	3.353	0	0	0	0	0	UWED
Pacific Bell Telephone Company	6105 De Longpre Ave, Los Angeles, CA, 90028-8319	Los Angeles	Los Angeles	0	2.5085	0	0	0	0	0	0	UWED
AT&T	611 Folsom St, San Francisco, CA, 94107-1304	San Francisco	San Francisco	0	0.556	0	0	0	0	0	0	UWED
Best Buy	6110 Birdcage Centre Ln, Citrus Heights, CA, 95610-8004	Citrus Heights	Sacramento	0	40	3.0985	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	6127 Lake Murray Blvd., La Mesa, CA, 91942	La Mesa	San Diego	3090	0	4	0	0	0	0	0	UWED

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Goodwill Industries	6135 Graham Hill Rd, Felton, CA, 95018-9727	Felton	Santa Cruz	0	1.072	0.6	0	0	0	0	0	UWED
Pacific Bell Telephone Company	6135 Whittier Blvd, Los Angeles, CA, 90022-4523	Los Angeles	Los Angeles	0	0.4475	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	6136 Adobe Road, Twentynine Palms, CA, 92277	Twentynine Palms	San Bernardino	0	1.0665	2.075	0	0	0	0	0	UWED
Enviro - We USA llc	6145 Lake Murray Blvd, La Mesa, CA, 91942	La Mesa	San Diego	0	1.6065	0.9165	0	0	0	0	0	UWED
PG&E	615 Seventh Avenue, Santa Cruz, CA, 95062	Santa Cruz	Santa Cruz	0	0.365	0	0	0	0	0	0	UWED
Enviro-Guide, Inc.	615 W. Covina Blvd, San Dimas, CA, 91773	San Dimas	Los Angeles	0	4.1255	0.4825	0	0	0	0	0	UWED
Pacific Bell Telephone Company	6150 3rd St, San Francisco, CA, 94124-3108	San Francisco	San Francisco	0	0.1745	0	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	6180 State Highway 193, Georgetown, CA, 95634	Georgetown	El Dorado	0	3.2665	1.325	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	620 W 19th St, Costa Mesa, CA, 92627-2716	Costa Mesa	Orange	0	20	3.6555	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	6200 W. 3rd St., Los Angeles, CA, 90036	Los Angeles	Los Angeles	0	1.2555	0.0825	0	0	0	0	0	UWED
Pacific Bell Telephone Company	6220 Atascadero Ave, Atascadero, CA, 93422-4102	Atascadero	San Luis Obispo	0	0.3915	0	0	0	0	0	0	UWED
Office Depot, Inc.	6227 Topanga Canyon Blvd, Woodland Hills, CA, 91367	Woodland Hills	Los Angeles	0	2.522	0	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	624 Lindero Canyon Rd, Oak Park, CA, 91377-5456	Oak Park	Ventura	0	4.4815	0.7705	0	0	0	0	0	UWED
Enviro - We USA llc	6240 Foothill Blvd, Tujunga, CA, 91042	Tujunga	Los Angeles	0	5.01	1.832	0	0	0	0	0	UWED
GreenWaste Recovery	625 Charles St, San Jose, CA, 95112-1402	San Jose	Santa Clara	0	70	4.606	0	0	0	0	0	UWED
Carmel Marina Corporation	625 Division St, King City, CA, 93930	King City	Monterey	0	2.15	0.48	0	0	0	0	0	UWED
Amazon.com Services, LLC	6250 Promonotry Way, Tracy, CA, 95377	Tracy	San Joaquin	0	7.329	0	0	0	0	0	0	UWED
Staples, Inc.	627 E Calaveras Blvd, Milpitas, CA, 95035-7705	Milpitas	Santa Clara	0	10	1.1405	0	0	0	0	0	UWED
California Recycles, Inc	627 Fitch Avenue, Moorpark, CA, 93021	Moorpark	Los Angeles	0	7.7715	4.177	0	0	0	0	0	UWED
Staples, Inc.	6296 Magnolia Ave, Riverside, CA, 92506-2526	Riverside	Riverside	0	10	0.4405	0	0	0	0	0	UWED
Best Buy	63 Ranch Dr, Milpitas, CA, 95035-5104	Milpitas	Santa Clara	0	30	1.324	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	630 Front St, San Ysidro, CA, 92173-3108	San Ysidro	San Diego	790	0	0.95	0	0	0	0	0	UWED



Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Pacific Bell Telephone Company	630 Jefferson St, Petaluma, CA, 94952-3310	Petaluma	Sonoma	0	1.35	0	0	0	0	0	0	UWED
The Salvation Army Arc Conoga Park	6300 Sepulveda blvd, Van Nuys, CA, 91411	Van Nuys	Los Angeles	0	20	4.8475	0	0	0	0	0	UWED
Charter Communications	6305 Arizona Place, Los Angeles, CA, 90045	Los Angeles	Los Angeles	0	20	0	0	0	0	0	0	UWED
Enviro - We USA llc	632 Lindero Canyon Road, Oak Park, CA, 91377	Oak Park	Ventura	0	1.188	0.442	0	0	0	0	0	UWED
Costco Wholesale Corporation	6333 Telegraph Rd, Commerce, CA, 90040	Commerce	Los Angeles	0	3.5465	0	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	634 S Brea Blvd, Brea, CA, 92821-5307	Brea	Orange	0	20	3.66	0	0	0	0	0	UWED
Goodwill Sacramento	6373 Riverside Blvd, Sacramento, CA, 95831-1101	Sacramento	Sacramento	0	0.694	0.0615	0	0	0	0	0	UWED
R&F Disposal Inc	640 Frontage Rd, Mc Farland, CA, 93250	Mc Farland	Kern	0	0.9665	0.2715	0	0	0	0	0	UWED
PG&E	6402 Santa Teresa Blvd, San Jose, CA, 95119-1203	San Jose	Santa Clara	0	0.52	0	0	0	0	0	0	UWED
Irvine Regional HHWCC	6411 Oak Cyn, Irvine, CA, 92618-5202	Irvine	Orange	0	550	0	0	0	0	0	0	UWED
Recology Hay Road	6426 Hay Rd, Vacaville, CA, 95687-9457	Vacaville	Solano	0	0.592	0	0.9855	0	0	0	0	UWED
Goodwill Industries of SJV	6437 N Blackstone Ave, Fresno, CA, 93710-3508	Fresno	Fresno	0	4.219	2.551	0	0	0	0	0	UWED
Office Depot, Inc.	6440 C Sepulveda Blvd, Van Nuys, CA, 91411	Van Nuys	Los Angeles	0	0.91	0	0	0	0	0	0	UWED
my ewaste drop off	6440 Mayberry Ave, Rancho Cucamonga, CA, 91737	Rancho Cucamonga	San Bernardino	0	2.2005	1.1415	0	0	0	0	0	UWED
St. Jude Medical CRMD	645 ALMANOR AVE, SUNNYVALE, CA, 94085	SUNNYVALE	Santa Clara	0	3.8065	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	645 E. Shaw Ave., Fresno, CA, 93710	Fresno	San Joaquin	0	5.5545	1.0365	0	0	0	0	0	UWED
Attan Recycling Corporation	645 S. Barranca St, West Covina, CA, 91791	West Covina	Los Angeles	0	3.3015	0.5695	0	0	0	0	0	UWED
Office Depot, Inc.	6450 Folsom Blvd, Sacramento, CA, 95819	Sacramento	Sacramento	0	1.4925	0	0	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	6450 Hembree Ln., Windsor, CA, 95492	Windsor	Sonoma	0	3.488	0.85	0	0	0	0	0	UWED
Safety-Kleen Systems, Inc.	6465 Marindustry Drive, San Diego, CA, 92121	San Diego	San Diego	0	10	0	0	0	0	0	0	UWED
Goodwill industries of South	6465 Ming Avenue, Suite 175, Bakersfield, CA, 93301	Bakersfield	Kern	0	40	10	0	0	0	0	0	UWED
Onsite Electronics Recycling	6484 N Waverly Rd, Linden, CA, 95236-9459	Linden	San Joaquin	0	10	30	0	0	0	0	0	UWED

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Costco Wholesale Corporation	650 Gateway Center Drive, San Diego, CA, 92102	San Diego	San Diego	0	20	0	0	0	0	0	0	UWED
IBM Corporation	650 Harry Rd, San Jose, CA, 95120-6001	San Jose	Santa Clara	0	7.581	0	0	0	0	0	0	UWED
AT&T	650 Robinson Ave, San Diego, CA, 92103-4326	San Diego	San Diego	0	0.6	0	0	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	651 Yolanda Ave, Santa Rosa, CA, 95404-6324	Santa Rosa	Sonoma	0	3.3055	1.025	0	0	0	0	0	UWED
E-recycling of California	653 East 9th Street, Beaumont, CA, 92223	Beaumont	Riverside	0	2.9775	0.6285	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	6545 Beech Ave, Orangevale, CA, 95662	Orangevale	Sacramento	0	4.065	0.475	0	0	0	0	0	UWED
Goodwill Industries of SJV	6549 N Riverside Dr. suite # 23, Fresno, CA, 93722	Fresno	Fresno	0	0.213	0.4305	0	0	0	0	0	UWED
Best Buy	655 W Herndon Ave, Clovis, CA, 93612-0104	Clovis	Fresno	0	20	2.015	0	0	0	0	0	UWED
George Chambers	65600 Hockaday Rd, Happy Camp, CA, 96039	Happy Camp	Siskiyou	0	1.45	5.7875	0	0	0	0	0	UWED
E-recycling of California	65655 Santiago Canyon Road, Temescal Valley, CA, 92683	Temescal Valley	Riverside	0	2.4585	0.364	0	0	0	0	0	UWED
Yolo Employment Services, Inc	660 6th St, Woodland, CA, 95695	Woodland	Yolo	0	4.7955	0.7175	0.0005	0	0	0	0	UWED
Auction BDI	660 Vista Way, Milpitas, CA, 95035-6805	Milpitas	Santa Clara	0	20	0	2.115	0	0	0	0	UWED
Best Buy	6600 Lone Tree Way, Brentwood, CA, 94513-5256	Brentwood	Contra Costa	0	30	1.5925	0	0	0	0	0	UWED
Angel View Inc.	661 North State Street, San Jacinto, CA, 92583	San Jacinto	Riverside	0	0.6875	1.275	0	0	0	0	0	UWED
Goodwill Sacramento	6624 Franklin Blvd, Sacramento, CA, 95823-1005	Sacramento	Sacramento	0	10	0.9015	0	0	0	0	0	UWED
Conservation Corps North Bay	6633 Oakmont Dr, Santa Rosa, CA, 95409	Santa Rosa	Sonoma	0	6.6555	2.02	0	0	0	0	0	UWED
Angel View Inc.	66389 Pierson Blvd., Desert Hot Springs, CA, 92240	Desert Hot Springs	Riverside	0	1.195	2.274	0	0	0	0	0	UWED
Recology Auburn Placer	6699 Patent Road, Foresthill, CA, 95631	Foresthill	Placer	0	9.6315	5.967	0	0	0	0	0	UWED
EDCO Waste & Recycling	6700 Federal Blvd, Lemon Grove, CA, 91945-1313	Lemon Grove	San Diego	0	50	50	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	6702 Wandermere Dr, San Diego, CA, 92120	San Diego	San Diego	0	1.458	0.927	0	0	0	0	0	UWED
Pacific Bell Telephone Company	6707 Salt Lake Ave, Bell, CA, 90201-2128	Bell	Los Angeles	0	2.3835	0	0	0	0	0	0	UWED
Staples, Inc.	671 Colusa Ave, Yuba City, CA, 95991-3943	Yuba City	Sutter	0	8.0045	0.4665	0	0	0	0	0	UWED

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Allan Co	6733 Consolidated Way, San Diego, CA, 92121-2601	San Diego	San Diego	0	50	5.7375	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	6741 Westminster Blvd Ste B, Westminster, CA, 92683-8062	Westminster	Orange	0	10	2.138	0	0	0	0	0	UWED
Office Depot, Inc.	675 E Hospitality Ln, San Bernardino, CA, 92408	San Bernardino	San Bernardino	0	0.235	0	0	0	0	0	0	UWED
Zanker Road Resource Management, Ltd.	675 Los Esteros Rd, San Jose, CA, 95134-1004	San Jose	Santa Clara	0	9.2815	1.925	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	675 N Euclid St, Anaheim, CA, 92801-4639	Anaheim	Orange	0	10	1.7045	0	0	0	0	0	UWED
Attan Recycling Corporation	675 S. Glendora Ave., West Covina, CA, 91790	West Covina	Los Angeles	0	3.5105	1.198	0	0	0	0	0	UWED
Costco Wholesale Corporation	6750 Stanford Ranch Road, Roseville, CA, 95678	Roseville	Placer	0	5.45	0	0	0	0	0	0	UWED
eWaste Direct	6752 Preston Ave, Livermore, CA, 94551	Livermore	Alameda	0	160	8.2935	0	0	0	0	0	UWED
my ewaste drop off	6755 Victoria Ave, Riverside, CA, 92506	Riverside	Riverside	0	2.5545	1.2175	0	0	0	0	0	UWED
EDCO Waste & Recycling	6762 Stanton Ave, Buena Park, CA, 90621-3611	Buena Park	Orange	0	8.6275	20	0	0	0	0	0	UWED
Angel View Inc.	67625 E. Pam Canyon, Cathedral City, CA, 92234	Cathedral City	Riverside	0	1.626	3.6425	0	0	0	0	0	UWED
Los Angeles Dept. of Water & Power	6801 E. 2nd Street, Long Beach, CA, 90803	Long Beach	Los Angeles	0	0.461	0	0	0	0	0	0	UWED
Greater Valley Conservation Corps	6825 N Winton Was, Winton, CA, 95388	Winton	Merced	0	0.1375	0.387	1.544	0	0	0	0	UWED
Goodwill Industries of the Redwood Empire	6826 Sebastopol Ave, Sebastopol, CA, 95472-3413	Sebastopol	Sonoma	0	3.329	1.425	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	683 S. Rancho Santa Fe Rd., San Marcos, CA, 92078	San Marcos	San Diego	3330	0	1.825	0	0	0	0	0	UWED
City of Cathedral City	68385 Kieley Rd, Cathedral City, CA, 92234-7206	Cathedral City	Riverside	0	10	1.792	0	0	0	0	0	UWED
Pacific Bell Telephone Company	6843 Reseda Blvd, Reseda, CA, 91335-4205	Reseda	Los Angeles	0	1.428	0	0	0	0	0	0	UWED
Zero Waste Energy Development Company, LLC	685 Los Esteros Rd, San Jose, CA, 95134-1004	San Jose	Santa Clara	30	0	0	0	0	0	0	0	UWED
Office Depot, Inc.	685 W Herndon Ave, Clovis, CA, 93612	Clovis	Fresno	0	0.1255	0	0	0	0	0	0	UWED
Attan Recycling Corporation	6868 N San Gabriel Blvd, San Gabriel, CA, 91775-1044	San Gabriel	Los Angeles	0	10	2.308	0	0	0	0	0	UWED

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San Diego Gas & Electric	6875 Consolidated Way, San Diego, CA, 92121-2602	San Diego	San Diego	0	1.966	0.25	0	0	0	0	0	UWED
Costco Wholesale Corporation	6898 Raleigh Rd, San Jose, CA, 95119	San Jose	Santa Clara	0	3.9465	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	6900 Bissell St, Huntington Park, CA, 90255-5507	Huntington Park	Los Angeles	0	2.1515	1.465	0	0	0	0	0	UWED
Pacific Bell Telephone Company	6900 S Vermont Ave, Los Angeles, CA, 90044-5245	Los Angeles	Los Angeles	0	0.336	0	0	0	0	0	0	UWED
E-recycling of California	6905 Harrison Ave., Eastvale, CA, 92880	Eastvale	Riverside	0	10	3.34	0	0	0	0	0	UWED
Comcast Cable Communications Management LLC	6905 Tam O Shanter Dr, Stockton, CA, 95210-3368	Stockton	San Joaquin	0	9.2225	0	0	0	0	0	0	UWED
AT&T	6920 Van Nuys, Van Nuys, CA, 91405	Van Nuys	Los Angeles	0	0.35	0	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	695 W. Channel Islands Blvd, Port Hueneme, CA, 93041	Port Hueneme	Ventura	0	10	1.757	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7 Professional Center Pkwy, San Rafael, CA, 94903-2702	San Rafael	Marin	0	0.292	0	0	0	0	0	0	UWED
City of Lompoc Landfill	700 Avalon Rd., Lompoc, CA, 93436	Lompoc	Santa Barbara	0	70	20	0	0	0	0	0	UWED
The Salvation Army Chico ARP	700 Broadway St, Chico, CA, 95928-5528	Chico	Butte	0	0.648	2.3275	0	0	0	0	0	UWED
Best Buy	700 Du Bois St, San Rafael, CA, 94901-3905	San Rafael	Marin	0	40	3.232	0	0	0	0	0	UWED
Staples, Inc.	700 El Camino Real Ste 120, Menlo Park, CA, 94025-4884	Menlo Park	San Mateo	0	20	0.109	0	0	0	0	0	UWED
The Metropolitan Water District of Southern California	700 Moreno Ave, La Verne, CA, 91750	La Verne	Los Angeles	0	10	0.0145	0	0	0	0	0	UWED
ALAMEDA COUNTY HOUSEHOLD HAZARDOUS WASTE	7000 Coliseum Way, Oakland, CA, 94602	Oakland	Alameda	0	5.977	0.66	0	0	0	0	0	UWED
Lawrence Livermore National	7000 East Ave, Livermore, CA, 94550-9698	Livermore	Alameda	1360	0	0	0	0	0	0	0	UWED
Livermore Sanitation	7000 National Dr, Livermore, CA, 94550-8814	Livermore	Alameda	0	8.856	4.007	1.3375	0	0	0	0	UWED
E-recycling of California	701 E. Carson Street, Carson, CA, 90745	Carson	Los Angeles	0	20	5.916	0	0	0	0	0	UWED
Alianza Recycling & Recovery, LLC	701 Haven Drive, Arvin, CA, 93203	Arvin	Kern	0	1.844	0.7805	0	0	0	0	0	UWED
my ewaste drop off	701 N Garey Ave, Pomona, CA, 91767	Pomona	Riverside	0	3.4775	3.6555	0	0	0	0	0	UWED
my ewaste drop off	701 W Broadway, Anaheim, CA, 92805	Anaheim	Orange	0	0.5995	0.3425	0	0	0	0	0	UWED

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Burrtec Waste & Recycling Services	70-100 Edom Hill Road, Cathedral City, CA, 92234	Cathedral City	Riverside	0	40	50	0	0	0	0	0	UWED
Best Buy	7011 Camino Arroyo, Gilroy, CA, 95020-7341	Gilroy	Santa Clara	0	30	1.3285	0	0	0	0	0	UWED
Sandia National Laboratory, CA	7011 East Ave, Livermore, CA, 94550-9610	Livermore	Alameda	0	20	0	0	0	0	0	0	UWED
Merced County Regional Waste Management Authority	7040 N State Highway 59, Merced, CA, 95348-8811	Merced	Merced	0	30	30	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	706 Broadway, Chula Vista, CA, 91910	Chula Vista	San Diego	3760	0	5.925	0	0	0	0	0	UWED
AT&T Services, Inc.	707 E 11th St, Tracy, CA, 95304-9350	Tracy	San Joaquin	0	0.7895	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7070 Soquel Ave, Santa Cruz, CA, 95062-2035	Santa Cruz	Santa Cruz	0	1.076	0	0	0	0	0	0	UWED
Office Depot, Inc.	7075 Firestone Blvd, Downey, CA, 90241	Downey	Los Angeles	0	0.7185	0	0	0	0	0	0	UWED
Best Buy	7090 Market Place Dr, Goleta, CA, 93117-5902	Goleta	Santa Barbara	0	20	1.109	0	0	0	0	0	UWED
J.G. Boswell Company	710 Bainum Ave, Corcoran, CA, 93212-9603	Corcoran	Kings	0	3.559	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	7100 N. Abby Street, Fresno, CA, 93720	Fresno	Fresno	0	6.528	0.023	0	0	0	0	0	UWED
A.S.I Cyber Concepts	7117 Regional St, Dublin, CA, 94568	Dublin	Alameda	0	150	50	0	0	0	0	0	UWED
Greater Valley Conservation Corps	712 Fresno Street, Newman, CA, 95360	Newman	Stanislaus	0	1.1205	0.6565	0.629	0	0	0	0	UWED
Goodwill Sacramento	7120 Auburn Blvd, Citrus Heights, CA, 95610-3825	Citrus Heights	Sacramento	0	30	2.248	0	0	0	0	0	UWED
Adam's Electronics	7130 Edinger Ave, Huntington Beach, CA, 92647-3505	Huntington Beach	Orange	810	0	0	0	0	0	0	0	UWED
Staples, Inc.	7131 Yorktown Ave, Huntington Beach, CA, 92648-2464	Huntington Beach	Orange	0	5.8225	0.165	0	0	0	0	0	UWED
DIRECTV, LLC	715 E Avenue L8 Ste 101, Lancaster, CA, 93535-5405	Lancaster	Los Angeles	0	5.9065	0	0	0	0	0	0	UWED
Communications Test Design, Inc.	7150 Patterson Pass Rd., Livermore, CA, 94550	Livermore	Alameda	0	70	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	717 Mccray St, Hollister, CA, 95023-4033	Hollister	San Benito	0	0.326	0	0	0	0	0	0	UWED
Edwards AFB	72 E Forbes, Edwards, CA, 93524	Edwards	Kern	0	20	1.004	0	0	0	0	0	UWED
Enviro - We USA llc	720 3rd Ave, Chula Vista, CA, 91910	Chula Vista	San Diego	0	2.5655	1.1875	0	0	0	0	0	UWED
Ralphs Grocery Company	720 S Wanamaker Ave, Ontario, CA, 91761-8124	Ontario	San Bernardino	0	7.181	0	0	0	0	0	0	UWED

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Pacific Bell Telephone Company	720 Western Ave, Glendale, CA, 91201-2301	Glendale	Los Angeles	0	2.234	0	0	0	0	0	0	UWED
CalMet Services, Inc	7202 Petterson Ln, Paramount, CA, 90723-2022	Paramount	Los Angeles	0	70	70	0	0	0	0	0	UWED
Enviro - We USA llc	7205 Freeport Blvd, Sacramento, CA, 95831	Sacramento	Sacramento	0	8.3155	2.204	0	0	0	0	0	UWED
E-waste LA	7222 Vajjean Avenue, Van Nuys, CA, 91406	Van Nuys	Los Angeles	0	20	20	0	0	0	0	0	UWED
Pacific Bell Telephone Company	72316 BAKER BLVD, BAKER, CA, 92309	BAKER	San Bernardino	0	1.634	0	0	0	0	0	0	UWED
my ewaste drop off	724 E Bonita Ave, San Dimas, CA, 91773	San Dimas	Los Angeles	0	1.8615	1.1425	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7240 Johnson Dr, Pleasanton, CA, 94588-8005	Pleasanton	Alameda	0	1.206	0	0	0	0	0	0	UWED
Marborg Industries	725 Cacique St, Santa Barbara, CA, 93103-3664	Santa Barbara	Santa Barbara	0	30	4.99	0	0	0	0	0	UWED
Costco Wholesale Corporation	725 Center Dr, San Marcos, CA, 92069	San Marcos	San Diego	0	4.9715	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	7251 Camino Arroyo, Gilroy, CA, 95020	Gilroy	Santa Clara	0	5.789	0	0	0	0	0	0	UWED
Attan Recycling Corporation	727 S. Glendora Ave, West Covina, CA, 91790	West Covina	Los Angeles	0	20	6.4755	0	0	0	0	0	UWED
EcoSpot Recycling Inc	727 South Barranca Ave, Covina, CA, 91723	Covina	Los Angeles	0	1.293	0.683	0	0	0	0	0	UWED
Goodwill SOLAC	727 W Redondo Beach Blvd, Gardena, CA, 90247-4203	Gardena	Los Angeles	0	3.583	1.0825	0	0	0	0	0	UWED
Angel View Inc.	72747 Dinah Shore Dr, Rancho Mirage, CA, 92270-2758	Rancho Mirage	Riverside	0	0.51	0.8325	0	0	0	0	0	UWED
Attan Recycling Corporation	728 S Orange Ave, West Covina, CA, 91790	West Covina	Los Angeles	0	6.7265	1.31	0	0	0	0	0	UWED
Costco Wholesale Corporation	72-800 Dinah Shore Drive, Palm Desert, CA, 92211	Palm Desert	Riverside	0	7.415	0.019	0	0	0	0	0	UWED
Goodwill Industries	729 Broadway Ave, Seaside, CA, 93955-4305	Seaside	Monterey	0	0.3605	160	0	0	0	0	0	UWED
Southern California Edison Co.	7300 Fenwick Ln, Westminster, CA, 92683-5238	Westminster	Orange	0	130	0.292	0	0	0	0	0	UWED
Meta Platforms, Inc.	7300 Gateway Blvd, Newark, CA, 94560	Newark	Alameda	0	30	0	0	0	0	0	0	UWED
United Airlines, Inc.	7300 World Way West, Los Angeles, CA, 90045-5679	Los Angeles	Los Angeles	0	3.827	0	0	0	0	0	0	UWED
my ewaste drop off	731 S Stage Coach Ln, Fallbrook, CA, 92028	Fallbrook	San Diego	0	5.143	3.4135	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	7320 Florin Mall Drive, Sacramento, CA, 95823	Sacramento	Sacramento	0	0.0005	0	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Pacific Bell Telephone Company	7323 W. Sunset Blvd., Los Angeles, CA, 90046	Los Angeles	Los Angeles	0	0.949	0	0	0	0	0	0	UWED
Charter Communications	7337 Central Ave, Riverside, CA, 92504	Riverside	Riverside	0	40	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7337 Trade St, San Diego, CA, 92121-2423	San Diego	San Diego	0	5.6375	0	0	0	0	0	0	UWED
Manukyan Enterprises dba E-Waste US	7341 Fulton Ave Unit 15-17, North Hollywood, CA, 91605-4114	North Hollywood	Los Angeles	0	40	10	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7345 W Goshen Ave, Visalia, CA, 93291-7985	Visalia	Tulare	0	0.9465	0	0	0	0	0	0	UWED
Angel View Inc.	73468 Highway 111, Palm Desert, CA, 92260	Palm Desert	Riverside	0	4.494	8.625	0	0	0	0	0	UWED
Pacific Bell Telephone Company	739 E Santa Clara St, Ventura, CA, 93001-2936	Ventura	Ventura	0	0.7985	0	0	0	0	0	0	UWED
Enviro - We USA llc	7393 Jackson Dr, San Diego, CA, 92119	San Diego	San Diego	0	6.9015	2.04	0	0	0	0	0	UWED
Intermountain Disposal, Inc.	73980 Industrial Way, Delleker, CA, 96122	Delleker	Plumas	0	5.271	0	0	0	0	0	0	UWED
Best Buy	740 S Sepulveda Blvd, El Segundo, CA, 90245-4717	El Segundo	Los Angeles	0	20	1.305	0	0	0	0	0	UWED
Costco Wholesale Corporation	7400 Elk Grove Blvd, Elk Grove, CA, 95757	Elk Grove	Sacramento	0	6.7335	0	0	0	0	0	0	UWED
PSC Environmental Services	743 Sespe Ave, Fillmore, CA, 93015-1802	Fillmore	Ventura	0	0.574	0.238	0	0	0	0	0	UWED
Goodwill Sacramento	7441 W Stockton Blvd, Sacramento, CA, 95823-5428	Sacramento	Sacramento	0	20	2.0165	0	0	0	0	0	UWED
FC Management	745 Linden Ave, Gustine, CA, 95322	Gustine	Merced	0	3.5845	1.8805	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	745 W Ventura St, Fillmore, CA, 93015-1834	Fillmore	Ventura	0	1.2185	0.2095	0	0	0	0	0	UWED
Goodwill Sacramento	7485 Rush River Dr Ste 620, Sacramento, CA, 95831-5262	Sacramento	Sacramento	0	1.6645	0.147	0	0	0	0	0	UWED
Goodwill Industries of SJV	749 N. Golden State Blvd, Turlock, CA, 95380	Turlock	Stanislaus	0	3.279	4.337	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	750 Nautilus St, La Jolla, CA, 92037	La Jolla	San Diego	0	2.4785	1.003	0	0	0	0	0	UWED
City of El Cerrito	7501 Schmidt Ln, El Cerrito, CA, 94530-2401	El Cerrito	Contra Costa	0	210	20	0	0	0	0	0	UWED
Attan Recycling Corporation	751 E Spring St, Signal Hill, CA, 90755	Signal Hill	Los Angeles	0	4.994	1.3545	0	0	0	0	0	UWED
DIRECTV, LLC	7518 Carroll Rd, San Diego, CA, 92121-2402	San Diego	San Diego	0	10	0	0	0	0	0	0	UWED
Office Depot, Inc.	7530 N Blackstone Ave, Fresno, CA, 93720	Fresno	Fresno	0	0.9065	0.025	0	0	0	0	0	UWED
Cisco Systems	755 Sycamore Dr, Milpitas, CA, 95035	Milpitas	Santa Clara	0	170	0	0	0	0	0	0	UWED

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Schnitzer Steel Industries	7550 Mowry Ave, Newark, CA, 94560	Newark	Alameda	0	5	0	0	0	0	0	0	UWED
Best Buy	7550 N Blackstone Ave, Fresno, CA, 93720-4302	Fresno	Fresno	0	20	3.019	0	0	0	0	0	UWED
Costco Wholesale Corporation	7562 Center Ave, Huntington Beach, CA, 92647	Huntington Beach	Orange	0	3.068	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7597 Raytheon Rd, San Diego, CA, 92111-1506	San Diego	San Diego	0	0.399	0	0	0	0	0	0	UWED
Best Buy	760 E El Camino Real, Sunnyvale, CA, 94087-2918	Sunnyvale	Santa Clara	0	50	2.4175	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	7600 Graham Ave, Los Angeles, CA, 90001-2621	Los Angeles	Los Angeles	0	0.909	0.4445	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7620 Convoy Ct, San Diego, CA, 92111-1104	San Diego	San Diego	0	5.5855	0	0	0	0	0	0	UWED
my ewaste drop off	7621 Granite Hill Dr, Riverside, CA, 92509	Riverside	Riverside	0	0.9835	0.5255	0	0	0	0	0	UWED
A&J Electronics Recycling E-Waste	763 Mabury RD, 30, San Jose, CA, 95133	San Jose	Santa Clara	0	30	30	0	0	0	0	0	UWED
AT&T	763 W State Street, El Centro, CA, 92243	El Centro	Imperial	0	0.4915	0	0	0	0	0	0	UWED
Goodwill Sacramento	765 East Ave Ste 100, Chico, CA, 95926-1241	Chico	Butte	0	20	1.959	0	0	0	0	0	UWED
City of Los Angeles	7660 W Imperial Hwy, Playa Del Rey, CA, 90293	Playa Del Rey	Los Angeles	0	370	40	0	0	0	0	0	UWED
PG&E	77 Beale St, San Francisco, CA, 94105-1814	San Francisco	San Francisco	0	30	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7701 Artesia Blvd, Buena Park, CA, 90621-2313	Buena Park	Orange	0	2.122	0	0	0	0	0	0	UWED
Cisco Systems	771 Alder Dr, Milpitas, CA, 95035	Milpitas	Santa Clara	0	20	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7715 Burnet Ave, Van Nuys, CA, 91405-6457	Van Nuys	Los Angeles	0	1.9345	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7744 Lankershim Blvd, North Hollywood, CA, 91605-2815	North Hollywood	Los Angeles	0	0.2285	0	0	0	0	0	0	UWED
DIRECTV, LLC	775 Commercial St, San Jose, CA, 95112-1409	San Jose	Santa Clara	0	7.227	0	0	0	0	0	0	UWED
Operation Think Pink	7788 Regents Road, San Diego, CA, 92122	San Diego	San Diego	0	2.61	1.6835	0	0	0	0	0	UWED
Angel View Inc.	77898 Country Club Dr, Palm Desert, CA, 92211-3409	Palm Desert	Riverside	0	1.9765	3.924	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	779 Ventura Ave, Oak View, CA, 93022-9656	Oak View	Ventura	0	6.2505	1.0745	0	0	0	0	0	UWED
Angel View Inc.	77975 Calle Tampico, La Quinta, CA, 92253-2950	La Quinta	Riverside	0	1.936	2.859	0	0	0	0	0	UWED



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Operation Think Pink	780 Otay Lakes Rd, chula vista, CA, 91915	chula vista	San Diego	0	1.709	1.2125	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	7800 Beverly Boulevard, Los Angeles, CA, 90036	Los Angeles	Los Angeles	0	0.982	0	0	0	0	0	0	UWED
Kings Waste & Recycling Authority	7803 Hanford Armona Rd, Hanford, CA, 93230-9343	Hanford	Kings	0	70	30	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	7810 Otis Ave, Cudahy, CA, 90201-5072	Cudahy	Los Angeles	0	1.1975	0.6835	0	0	0	0	0	UWED
Surplus Sales	7835 Trade St, San Diego, CA, 92121-2460	San Diego	San Diego	0	80	0	0	0	0	0	0	UWED
Angel View Inc.	78395 Varner Rd, Palm Desert, CA, 92211-4155	Palm Desert	Riverside	0	1.6165	3.4625	0	0	0	0	0	UWED
Cox Communications, Inc.	784 Bay Blvd, Chula Vista, CA, 91910-5259	Chula Vista	San Diego	0	60	0	0	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	78495 Calle Tampico, La Quinta, CA, 92253-2839	La Quinta	Riverside	0	4.31	0.375	0	0	0	0	0	UWED
Onsite Electronics Recycling	7850 R A Bridgeford St, Stockton, CA, 95206-3939	Stockton	San Joaquin	0	40	10	0	0	0	0	0	UWED
City of Los Angeles	786 S Mission Rd, Los Angeles, CA, 90023-1013	Los Angeles	Los Angeles	0	9.03	3.882	0	0	0	0	0	UWED
Cal eWaste Recycle	7871 Alabama Avenue, Canoga Park, CA, 91304	Canoga Park	Los Angeles	0	20	10	0	0	0	0	0	UWED
Pacific Bell Telephone Company	788 Main St, Morro Bay, CA, 93442-2116	Morro Bay	San Luis Obispo	0	0.3095	0	0	0	0	0	0	UWED
Goodwill Industries	79 Santa Rosa St, San Luis Obispo, CA, 93405-1819	San Luis Obispo	San Luis Obispo	0	0.0205	90	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	7900 All-American Way, Paramount, CA, 90723	Paramount	Los Angeles	0	3.9815	2.5415	0	0	0	0	0	UWED
Corporate Ewaste Solutions	7901 Walerga Road, Antelope, CA, 95843	Antelope	Sacramento	0	2.1355	0.496	0	0	0	0	0	UWED
Pacific Bell Telephone Company	7910 Othello Ave, San Diego, CA, 92111-3712	San Diego	San Diego	0	2.9725	0	0	0	0	0	0	UWED
DIRECTV, LLC	7911 Redwood Dr, Cotati, CA, 94931-3032	Cotati	Sonoma	0	8.171	0	0	0	0	0	0	UWED
Office Depot, Inc.	79-190 Highway 111, La Quinta, CA, 92253	La Quinta	Riverside	0	2.1335	0	0	0	0	0	0	UWED
Best Buy	79220 Highway 111, La Quinta, CA, 92253-2503	La Quinta	Riverside	0	20	1.494	0	0	0	0	0	UWED
Office Depot, Inc.	7933 E Stockton Blvd, Sacramento, CA, 95823	Sacramento	Sacramento	0	0.41	0	0	0	0	0	0	UWED
Angel View Inc.	79400 Highway 111, La Quinta, CA, 92253	La Quinta	Riverside	0	2.1055	4.262	0	0	0	0	0	UWED
Safety-Kleen Systems, Inc.	7979 Palm Ave, Highland, CA, 92346	Highland	San Bernardino	0	8.6625	0.0175	0.105	0.3	0	0	0	UWED
Costco Wholesale Corporation	79795 Hwy 111, La Quinta, CA, 92253	La Quinta	Riverside	0	6.9555	0.019	0	0	0	0	0	UWED

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GOODWILL OF ORANGE COUNTY	798 Dover Dr, Newport Beach, CA, 92663-5931	Newport Beach	Orange	0	30	4.7275	0	0	0	0	0	UWED
Costco Wholesale Corporation	7981 East Stockton Boulevard, Sacramento, CA, 95823	Sacramento	Sacramento	0	10	0.038	0	0	0	0	0	UWED
Enviro - We USA llc	7983 Seco Canyon Road, Santa Clarita, CA, 91350	Santa Clarita	Los Angeles	0	5.4355	2.107	0	0	0	0	0	UWED
E-Waste Security	8 Whatney, Irvine, CA, 92618	Irvine	Orange	0	8.256	0	0	0	0	0	0	UWED
Amcor flexibles Yuba City	800 N WALTON AVE, YUBA CITY, CA, 95993	YUBA CITY	Yuba	0	0.038	0	0	0	0	0	0	UWED
Attan Recycling Corporation	800 N. Brookhurst St., Anaheim, CA, 92801	Anaheim	Orange	0	20	8.0205	0	0	0	0	0	UWED
PG&E	800 PRICE CANYON, Pismo Beach, CA, 93449	Pismo Beach	San Luis Obispo	0	0.55	0	0.075	0	0	0	0	UWED
Gilton Resource Recovery	800 S McClure Rd, Modesto, CA, 95357	Modesto	Stanislaus	0	3.111	5.4965	0	0	0	0	0	UWED
WM Corona Hauling	800 S Temescal St, Corona, CA, 92879-2058	Corona	Riverside	0	20	20	0	0	0	0	0	UWED
Staples, Inc.	800 W Harris St, Eureka, CA, 95503-3929	Eureka	Humboldt	0	20	0.9265	0	0	0	0	0	UWED
The Salvation Army	801 W Colton Ave, Redlands, CA, 92374-2929	Redlands	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED
Sacramento Regional Conservation Corps	8025 Waterman Road, Sacramento, CA, 95829	Sacramento	Sacramento	0	1.132	0.4	0	0	0	0	0	UWED
my ewaste drop off	804 E Foothill Blvd., Glendora, CA, 91741	Glendora	Los Angeles	0	0.7995	0.511	0	0	0	0	0	UWED
my ewaste drop off	8050 Citrus Ave, Fontana, CA, 92336	Fontana	San Bernardino	0	2.5565	1.888	0	0	0	0	0	UWED
Pacific Bell Telephone Company	806 S Alameda St, Compton, CA, 90221-3804	Compton	Los Angeles	0	0.1545	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	8075 Melrose Ave, Los Angeles, CA, 90046-7014	Los Angeles	Los Angeles	0	1.4515	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	808 S Main St, Angels Camp, CA, 95222-9385	Angels Camp	Calaveras	0	0.126	0	0	0	0	0	0	UWED
Goodwill Industries of SJV	808 W Kettleman Ln, Lodi, CA, 95240-6052	Lodi	San Joaquin	0	5.522	3.77	0	0	0	0	0	UWED
Goodwill of San Francisco	809 Lincoln Ave, San Rafael, CA, 94901-3329	San Rafael	Marin	0	60	3.0135	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	810 Oak Lane, Rio Linda, CA, 95673	Rio Linda	Sacramento	0	0.621	0.025	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	8101 Rosemead Blvd, Pico Rivera, CA, 90660-5100	Pico Rivera	Los Angeles	0	4.6575	2.914	0	0	0	0	0	UWED
CPI	811 Hansen Way, Palo Alto, CA, 94304-1031	Palo Alto	Santa Clara	0	2.4845	0	0	0	0	0	0	UWED
Charter Communications	8120 Camino Arroyo Dr, Gilroy, CA, 95020	Gilroy	Santa Clara	0	7.5985	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	8125 Fletcher Parkway, La Mesa, CA, 91942	La Mesa	San Diego	0	10	0.006	0	0	0	0	0	UWED

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Goodwill Industries	815 Soquel Ave, Santa Cruz, CA, 95062	Santa Cruz	Santa Cruz	0	0.0055	20	0	0	0	0	0	UWED
Goodwill SOLAC	8155 E Wardlow Rd, Long Beach, CA, 90808-3204	Long Beach	Los Angeles	0	7.166	2.165	0	0	0	0	0	UWED
EDCO Waste & Recycling	8184 Commercial St, La Mesa, CA, 91942-2926	La Mesa	San Diego	0	10	5.1495	7.0575	0	0	0	0	UWED
PSC Environmental Services	8184 Commercial Street, La Mesa, CA, 91942	La Mesa	San Diego	0	4.799	1.8695	0	0	0	0	0	UWED
Napa Recycling & Waste Services	820 Levitin Way, Napa, CA, 94558	Napa	Napa	0	160	30	0	0	0	0	0	UWED
Attan Recycling Corporation	820 North Wilcox Ave, Montebello, CA, 90640	Montebello	Los Angeles	0	40	10	0	0	0	0	0	UWED
Pacific Bell Telephone Company	8221 Galena Ave, Sacramento, CA, 95828-0926	Sacramento	Sacramento	0	4.024	0	0	0	0	0	0	UWED
my ewaste drop off	8223 California Ave, Riverside, CA, 92504	Riverside	Riverside	0	2.5085	1.502	0	0	0	0	0	UWED
Goodwill Industries	825 Riverside Ave Ste 11, Paso Robles, CA, 93446-2675	Paso Robles	San Luis Obispo	0	0.0355	160	0	0	0	0	0	UWED
PSC Environmental Services	825 S Sunset Ave, West Covina, CA, 91790-5512	West Covina	Los Angeles	0	5.886	0.566	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	825 Sunset Ave., West Covina, CA, 91793	West Covina	Los Angeles	0	4.4025	2.0495	0	0	0	0	0	UWED
Office Depot, Inc.	825 W E St, San Diego, CA, 92101	San Diego	San Diego	0	1.2475	0	0	0	0	0	0	UWED
Office Depot, Inc.	8255 Camino Santa Fe, San Diego, CA, 92121	San Diego	San Diego	0	3.107	0	0	0	0	0	0	UWED
Sierra Waste Recycling & Transfer Station	8260 Berry Ave, Sacramento, CA, 95828	Sacramento	Sacramento	56	0	6.3	0	0	0	0	0	UWED
California Recycles, Inc	8300 block of Civic Center Drive, Beverly Hills, CA, 90210	Beverly Hills	Los Angeles	0	3.451	3.084	0	0	0	0	0	UWED
Best Buy	8300 Rosedale Hwy, Bakersfield, CA, 93312-2167	Bakersfield	Kern	0	10	1.4545	0	0	0	0	0	UWED
California Recycles, Inc	8300 Santa Monica Blvd, West Hollywood, CA, 90069-6216	West Hollywood	Los Angeles	0	0.4075	0	0	0	0	0	0	UWED
Goodwill Industries	8310 El Camino Real Ste A, Atascadero, CA, 93422-5360	Atascadero	San Luis Obispo	0	0.0275	120	0	0	0	0	0	UWED
Operation Think Pink	8310 Mira Mesa Blvd, San Diego, CA, 92126	San Diego	San Diego	0	3.13	0.64	0	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	83101 Avenue 43, Indio, CA, 92201	Indio	Riverside	0	1.83	0.15	0	0	0	0	0	UWED
San Diego Gas & Electric	8315 Century Park Ct, San Diego, CA, 92123-1548	San Diego	San Diego	0	1.2445	0	0	0	0	0	0	UWED

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DISH Network	8318 Miramar Mall, San Diego, CA, 92121	San Diego	San Diego	0	0.839	0	0	0	0	0	0	UWED
Attan Recycling Corporation	8320 Firestone Blvd, Downey, CA, 90241	Downey	Los Angeles	0	10	4.057	0	0	0	0	0	UWED
Charter Communications	83-473 Avenue 45, Indio, CA, 92201	Indio	Riverside	0	20	0.035	0	0	0	0	0	UWED
Wasterasers, LLC	835 Sinclair Frontage Rd, Milpitas, CA, 95035	Milpitas	Santa Clara	0	0.7285	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	83732 Trona Road, Trona, CA, 93562	Trona	San Bernardino	0	0.673	1.975	0	0	0	0	0	UWED
Onsite Electronics Recycling	839 Roseburg Ave., Modesto, CA, 95350	Modesto	Stanislaus	0	0.434	0.134	0	0	0	0	0	UWED
Waste Transfer and Recycling	840 S Mission Rd, Los Angeles, CA, 90023-1025	Los Angeles	Los Angeles	0	0.9345	0	0	0	0	0	0	UWED
Pacific Bell Telephone Company	840 San Bruno Ave W, San Bruno, CA, 94066-3001	San Bruno	San Mateo	0	0.8825	0	0	0	0	0	0	UWED
Chevron Products Company	841 Chevron Way, Richmond, CA, 94801-2006	Richmond	Contra Costa	0	7.9415	0.1735	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	8425 Palm St, Lemon Grove, CA, 91945	Lemon Grove	San Diego	0	3.4455	1.9985	0	0	0	0	0	UWED
U.S. Metals	84481 Cabazon Rd, Indio, CA, 92201-6214	Indio	San Bernardino	180	0	0	0	0	0	0	0	UWED
Mid Valley Disposal	845 G St., Reedley, CA, 93654	Reedley	Fresno	40	0	0.625	0	0	0	0	0	UWED
Attan Recycling Corporation	845 W Colorado Blvd, Monrovia, CA, 91016-2517	Monrovia	Los Angeles	0	40	8.8135	0	0	0	0	0	UWED
Riverside County Department of Waste Resources	84-505 84th Avenue, Oasis, CA, 92274	Oasis	Riverside	60	0	0.8	0	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	84625 Bagdad Ave, Coachella, CA, 92236-2413	Coachella	Riverside	0	1.26	0.025	0	0	0	0	0	UWED
Office Depot, Inc.	8481 Fletcher Pkwy, La Mesa, CA, 91942	La Mesa	San Diego	0	1.837	0	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	849 S Tustin St, Orange, CA, 92866-3426	Orange	Orange	0	30	4.872	0	0	0	0	0	UWED
USA Waste of California, Inc., dba	8491 Fruitridge Road, Sacramento, CA, 95826	Sacramento	Sacramento	0	90	0.348	0	0	0	0	0	UWED
Enviro - We USA llc	8539 Elk Grove Blvd, Elk Grove, CA, 95624	Elk Grove	Sacramento	0	0.5875	0.441	0	0	0	0	0	UWED
Recology Vacaville Solano	855 1/2 Davis St, Vacaville, CA, 95687-5420	Vacaville	Solano	0	130	30	0	0	0	0	0	UWED
A&G ELECTRONICS	8555 Archibald Ave, Rancho Cucamonga, CA, 91730	Rancho Cucamonga	San Bernardino	0	3.94	2.087	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	858 E Main St, Santa Paula, CA, 93060-2734	Santa Paula	Ventura	0	3.4595	0.5945	0	0	0	0	0	UWED

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Sacramento Regional Conservation Corps	8581 Laguna Grove Dr, Elk Grove, CA, 95757	Elk Grove	Sacramento	0	1.352	0.275	0	0	0	0	0	UWED
Beachside Recycling Inc.	8601 Edison Dr., Huntington Beach, CA, 92646	Huntington Beach	Orange	0	70	20	0	0	0	0	0	UWED
Pacific Bell Telephone Company	8633 Grand Ave, Rosemead, CA, 91770-1220	Rosemead	Los Angeles	0	3.654	0	0	0	0	0	0	UWED
L and D Landfill	8635 Fruitridge Road, Sacramento, CA, 95826	Sacramento	Sacramento	230	0	4.475	0	0	0	0	0	UWED
Pacific Bell Telephone Company	865 77th Ave, Oakland, CA, 94621-2539	Oakland	Alameda	0	0.2285	0	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	865 E. H Street, Chula Vista, CA, 91910	Chula Vista	San Diego	3030	0	7.775	0	0	0	0	0	UWED
Best Buy	8657 Villa La Jolla Dr, La Jolla, CA, 92037-2356	La Jolla	San Diego	0	20	1.338	0	0	0	0	0	UWED
FC Management	867 Ramona Ave., Grover Beach, CA, 93433-2113	Grover Beach	San Luis Obispo	0	10	6.182	0	0	0	0	0	UWED
California Prison Industry Authority	8681 Younger Creek Dr, Sacramento, CA, 95828-1028	Sacramento	Sacramento	0	30	1.508	0	0	0	0	0	UWED
Office Depot, Inc.	869 Francisco Blvd W, San Rafael, CA, 94901	San Rafael	Marin	0	0.944	0	0	0	0	0	0	UWED
West Valley MRF and Transfer	87-011A Landfill Rd, Coachella, CA, 92236	Coachella	Riverside	0	30	10	0	0	0	0	0	UWED
AT&T	8707 Shirley Avenue, Northridge, CA, 91324	Northridge	Los Angeles	0	0.422	0	0	0	0	0	0	UWED
AMVETS Dept. of Ca Service Foundation	8725 Murray Drive, La Mesa, CA, 91942	La Mesa	San Diego	0	10	1.2375	0	0	0	0	0	UWED
Community Services &	873 S. Farmersville Rd, Farmersville, CA, 93223	Farmersville	Tulare	0	3.45	2.825	0	0	0	0	0	UWED
Attan Recycling Corporation	8765 Trautwein Rd, Riverside, CA, 92508	Riverside	Riverside	0	20	7.864	0	0	0	0	0	UWED
A&G ELECTRONICS	877 N campus Ave, Upland, CA, 91786	Upland	San Bernardino	0	2.1315	1.3785	0	0	0	0	0	UWED
City of Rancho Cucamonga	8800 Hellman Avenue, Rancho Cucamonga, CA, 91730	Rancho Cucamonga	San Bernardino	0	50	0	20	0	0	0	0	UWED
Office Depot, Inc.	8800 Rosedale Hwy, Bakersfield, CA, 93312	Bakersfield	Kern	0	2.658	0	0	0	0	0	0	UWED
Attan Recycling Corporation	8800 Whittier Blvd, Pico Rivera, CA, 90660	Pico Rivera	Los Angeles	0	5.1795	1.2645	0	0	0	0	0	UWED
PowerON Services, Inc.	8801 Washington Blvd Ste 101, Roseville, CA, 95678-6200	Roseville	Placer	119090	0	0	0	0	0	0	0	UWED
D.A.V. Industries, Inc.	881 Broadway, Chula Vista, CA, 91911	Chula Vista	San Diego	0	20	0	0	0	0	0	0	UWED
Silicon Valley Tech Source, Inc.	881 Yosemite Way, Milpitas, CA, 95035	Milpitas	Santa Clara	0	3	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	8810 Tampa Avenue, Northridge, CA, 91324	Northridge	Los Angeles	0	5.556	0.0085	0	0	0	0	0	UWED

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Attan Recycling Corporation	8820 Sheep Creek Rd., Phelan, CA, 92371	Phelan	San Bernardino	0	2.315	0.9235	0	0	0	0	0	UWED
Goodwill Industries	883 Oak Park Blvd, Pismo Beach, CA, 93449-3293	Pismo Beach	San Luis Obispo	0	0.048	220	0	0	0	0	0	UWED
Goodwill Sacramento	8839 Greenback Lane, Orangevale, CA, 95662	Orangevale	Sacramento	0	20	1.385	0	0	0	0	0	UWED
Staples, Inc.	8840 San Ysidro Ave, Gilroy, CA, 95020-3682	Gilroy	Santa Clara	0	10	0.688	0	0	0	0	0	UWED
City of Los Angeles	8840 Vanalden Ave, Northridge, CA, 91324-3658	Northridge	Los Angeles	0	20	40	0	0	0	0	0	UWED
Attan Recycling Corporation	8850 Valley View St, Buena Park, CA, 90620	Buena Park	Orange	0	10	2.8965	0	0	0	0	0	UWED
Goodwill Sacramento	8865 Madison Ave, Fair Oaks, CA, 95628-3907	Fair Oaks	Sacramento	0	10	1.1165	0	0	0	0	0	UWED
Best Buy	888 Harriman Pl, San Bernardino, CA, 92408-3543	San Bernardino	San Bernardino	0	30	1.7705	0	0	0	0	0	UWED
Attan Recycling Corporation	8880 Benson Ave, Montclair, CA, 91763	Montclair	San Bernardino	0	20	10	0	0	0	0	0	UWED
Attan Recycling Corporation	8880 Valley View St, Buena park, CA, 90620	Buena park	Orange	0	7.3945	2.145	0	0	0	0	0	UWED
Corporate Ewaste Solutions	8880 Valley View St., Buena Park, CA, 90620	Buena Park	Orange	0	1.3125	0.62	0	0	0	0	0	UWED
Napa Recycling & Waste Services	889 Devlin Rd, American Canyon, CA, 94503-9623	American Canyon	Napa	0	280	70	0	0	0	0	0	UWED
Valley Vista Services, INC.	8891 Watson St Ste 104, Cypress, CA, 90630-2260	Cypress	Orange	0	9.981	8.9345	0	0	0	0	0	UWED
Solid Wastes of Willits, Inc.	8923 Main St, Potter Valley, CA, 95469-9754	Potter Valley	Mendocino	0	0	0.134	0	0	0	0	0	UWED
Attan Recycling Corporation	8932 Valley View St, Buena Park, CA, 90620	Buena Park	Orange	0	10	2.6905	0	0	0	0	0	UWED
Costco Wholesale Corporation	895 East H Street, Chula Vista, CA, 91910	Chula Vista	San Diego	0	10	0	0	0	0	0	0	UWED
Best Buy	8960 Central Ave, Montclair, CA, 91763-1619	Montclair	San Bernardino	0	20	1.073	0	0	0	0	0	UWED
cj metals recycling inc.	8973 Norris Ave, Sun Valley, CA, 91352-2615	Sun Valley	Los Angeles	0	4.6	0	0	0	0	0	0	UWED
Mono County	899 Pit Road, Crowley Lake, CA, 93546	Crowley Lake	Mono	0	8.675	5.588	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	8990 Atlantic Ave., South Gate, CA, 90280	South Gate	Los Angeles	0	20	1.5585	0	0	0	0	0	UWED
AT&T Services, Inc.	90 W Turner Rd, Lodi, CA, 95242-9317	Lodi	San Joaquin	0	0.325	0	0	0	0	0	0	UWED
Eastern Regional Sanitary Landfill	900 Cabin Creek Rd, Truckee, CA, 96161	Truckee	Placer	0	40	20	0	0	0	0	0	UWED
USS UPI	900 Loveridge Road, Pittsburg, CA, 94565	Pittsburg	Contra Costa	0	2.263	0.0125	0	0	0	0	0	UWED

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County of Los Angeles Department of Public Works	900 S Fremont Ave, Alhambra, CA, 91803-1331	Alhambra	Los Angeles	0	8.308	4.5225	0	0	0	0	0	UWED
Costco Wholesale Corporation	900 South Harbor Boulevard, Fullerton, CA, 92832	Fullerton	Orange	0	2.5265	0	0	0	0	0	0	UWED
Global eRecyclers Inc	900 Turnbull Canyon Rd., City of Industry, CA, 91745	City of Industry	Los Angeles	0	60	7.884	0	0	0	0	0	UWED
Homeboy Recycling, a California social purpose corporation	901 E. 3rd Street, Los Angeles, CA, 90013	Los Angeles	Los Angeles	0	0.427	0	0	0	0	0	0	UWED
AT&T	901 E. Palmdale Blvd., Palmdale, CA, 93550	Palmdale	Los Angeles	0	0.15	0	0	0	0	0	0	UWED
Best Buy	901 S Coast Dr, Costa Mesa, CA, 92626-1747	Costa Mesa	Orange	0	30	1.935	0	0	0	0	0	UWED
Pacific Bell Telephone Company	901 S Raymond Ave, Pasadena, CA, 91105-3225	Pasadena	Los Angeles	0	1.6935	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	901 W Alondra Blvd, Compton, CA, 90220-3528	Compton	Los Angeles	0	1.4635	0.863	0	0	0	0	0	UWED
UNIVERSAL WASTE SYSTEMS INC.	9016 Norwalk Blvd, Santa Fe Springs, CA, 90670-2532	Santa Fe Springs	Los Angeles	0	5.5665	2.706	0	0	0	0	0	UWED
PN California Inc.	9016 Somerset Blvd, Bellflower, CA, 90706-3402	Bellflower	Los Angeles	0	40	0	0	0	0	0	0	UWED
Goodwill industries of South	902 Main St, Delano, CA, 93215-1730	Delano	Kern	0	10	1.05	0	0	0	0	0	UWED
PSC Environmental Services	903 Corporation St, Santa Paula, CA, 93060	Santa Paula	Ventura	0	0.148	0	0	0	0	0	0	UWED
Goodwill Industries	9043 Soquel Drive, Santa Cruz, CA, 95065	Santa Cruz	Santa Cruz	0	0.038	170	0	0	0	0	0	UWED
Solid Wastes of Willits, Inc.	90500 Refuse Road, Covelo, CA, 95470	Covelo	Mendocino	0	0	0.134	0	0	0	0	0	UWED
Attan Recycling Corporation	9063 E. Mission Dr., Rosemead, CA, 91770	Rosemead	Los Angeles	0	80	20	0	0	0	0	0	UWED
GOODWILL OF ORANGE COUNTY	9079 Adams Ave, Huntington Beach, CA, 92646-3401	Huntington Beach	Orange	0	30	4.3495	0	0	0	0	0	UWED
Pacific Bell Telephone Company	908 28th St, Paso Robles, CA, 93446-1250	Paso Robles	San Luis Obispo	0	2.611	0	0	0	0	0	0	UWED
my ewaste drop off	9085 California Ave, Riverside, CA, 92503	Riverside	Riverside	0	2.4385	2.654	0	0	0	0	0	UWED
TVI, INC.	9091 Garfield Avenue, Fountain Valley, CA, 92708	Fountain Valley	Orange	0	20	0	0	0	0	0	0	UWED
Waste Management	910 Coyote Creek Golf Drive, San Jose, CA, 95037	San Jose	Santa Clara	0	4.0725	1.27	0	0	0	0	0	UWED

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Office Depot, Inc.	910 El Monte Ave, Mountain View, CA, 94040	Mountain View	Santa Clara	0	0.755	0	0	0	0	0	0	UWED
Goodwill industries of South	910 W Henderson Ave, Porterville, CA, 93257-1745	Porterville	Tulare	0	10	2.65	0	0	0	0	0	UWED
Attan Recycling Corporation	9108 Garvey Ave, Rosemead, CA, 91770	Rosemead	Los Angeles	0	1.082	0.367	0	0	0	0	0	UWED
The Salvation Army	911 S E St, San Bernardino, CA, 92408-1910	San Bernardino	San Bernardino	0	10	20	5.2735	0	0	0	0	UWED
Office Depot, Inc.	911 W March Ln, Stockton, CA, 95207	Stockton	San Joaquin	0	0.679	0	0	0	0	0	0	UWED
Mid Valley Disposal	912 Marie St, Mendota, CA, 93640-2662	Mendota	Fresno	40	0	0.4	0	0	0	0	0	UWED
Pacific Bell Telephone Company	9129 Magnolia Ave, Riverside, CA, 92503-3801	Riverside	Riverside	0	0.265	0	0	0	0	0	0	UWED
Best Buy	9131 W Stockton Blvd, Elk Grove, CA, 95758-8051	Elk Grove	Sacramento	0	20	2.017	0	0	0	0	0	UWED
Enviro - We USA llc	915 S Brookhurst St, Anaheim, CA, 92804	Anaheim	Los Angeles	0	3.3425	1.56	0	0	0	0	0	UWED
Recology Yuba-Sutter	9162 Marysville Rd, Oregon House, CA, 95962-9706	Oregon House	Yuba	0	1.522	0.2485	0	0	0	0	0	UWED
City of Sacramento	918 Del Paso Rd, Sacramento, CA, 95834-1107	Sacramento	Sacramento	860	0	10	0	0	0	0	0	UWED
Athens Services	9189 De Garmo Avenue, Sun Valley, CA, 91352	Sun Valley	Los Angeles	0	0.1955	0.011	0	0	0	0	0	UWED
Cisco Systems	919 Wrigley Way, Milpitas, CA, 95035	Milpitas	Santa Clara	0	30	0	0	0	0	0	0	UWED
Northern Recycling and Waste	920 American Way, Paradise, CA, 95969-6315	Paradise	Butte	10	0	0.175	0.15	0	0	0	0	UWED
Office Depot, Inc.	920 Eastlake Pkwy, Chula Vista, CA, 91914	Chula Vista	San Diego	0	2.929	0.04	0	0	0	0	0	UWED
Pacific Bell Telephone Company	920 N Franklin St, Fort Bragg, CA, 95437-3015	Fort Bragg	Mendocino	0	0.264	0	0	0	0	0	0	UWED
Allied Waste Services of Sun Valley	9200 Glenoaks Blvd, Sun Valley, CA, 91352-2613	Sun Valley	Los Angeles	0	2.564	6.3445	0	0	0	0	0	UWED
Sacramento Regional Conservation Corps	9200 Palmerson Drive, Antelope, CA, 95843	Antelope	Sacramento	0	2.631	0.375	0	0	0	0	0	UWED
Attan Recycling Corporation	9200 Whittier Blvd, Pico Rivera, CA, 90660	Pico Rivera	Los Angeles	0	8.7485	4.131	0	0	0	0	0	UWED
AT&T Services, Inc.	9210 Mira Este Ct, San Diego, CA, 92126-6336	San Diego	San Diego	0	3.503	0	0	0	0	0	0	UWED
Waste Management SVRP	9227 Tujunga Avenue, Sun Valley, CA, 91352	Sun Valley	Los Angeles	0	5.4005	0.199	0	0	0	0	0	UWED
Urban Corps of San Diego County	923 Idaho Ave, Escondido, CA, 92025	Escondido	San Diego	0	1.393	0	0	0	0	0	0	UWED



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Pacific Bell Telephone Company	925 Jefferson St, Delano, CA, 93215-2236	Delano	Kern	0	0.736	0	0	0	0	0	0	UWED
OCEAN BLUE ENVIRONMENTAL	925 W. ESTHER STREET, LONG BEACH, CA, 90813	LONG BEACH	Los Angeles	0	30	3.1505	0	0	0	0	0	UWED
City of Elk Grove Special Waste Collection Center	9255 Disposal Lane, Elk Grove, CA, 95624	Elk Grove	Sacramento	0	130	30	0	0	0	0	0	UWED
Charter Communications	9260 Topanga Canyon Blvd, Chatsworth, CA, 91311	Chatsworth	Los Angeles	0	10	0	0	0	0	0	0	UWED
my ewaste drop off	9280 Maple Ave, Hesperia, CA, 92345	Hesperia	San Bernardino	0	1.024	1.2775	0	0	0	0	0	UWED
Conservation Corps North Bay	9291 Old Redwood Highway, Windsor, CA, 95492	Windsor	Sonoma	0	10	0.7625	0	0	0	0	0	UWED
Kern County Public Works	9301 HWY 155, Glennville, CA, 93226	Glennville	Kern	0	1.4285	0.8555	0	0	0	0	0	UWED
Goodwill Sacramento	933 Pleasant Grove Blvd Ste 120, Roseville, CA, 95678-6142	Roseville	Placer	0	7.383	0.653	0	0	0	0	0	UWED
Advocacy for Respect and Choice-Long Beach, Inc.	9334 Alondra Blvd, Bellflower, CA, 90706-4212	Bellflower	Los Angeles	0	20	2.295	0	0	0	0	0	UWED
Cox Communications, Inc.	9349 Misson Gorge, Santee, CA, 92071	Santee	San Diego	0	0.889	0.0465	0	0	0	0	0	UWED
Recology	935 Terra Bella Ave, Mountain View, CA, 94043-1827	Mountain View	Santa Clara	0	40	4.3915	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	935 West Highway 86, Salton City, CA, 92275	Salton City	Imperial	0	4.999	7.989	0	0	0	0	0	UWED
Goodwill of San Francisco	936 7th St, Novato, CA, 94945-3010	Novato	Marin	0	100	1.96	0	0	0	0	0	UWED
Goodwill Industries of Ventura and	9388 Telephone Rd, Ventura, CA, 93004	Ventura	Ventura	0	10	1.777	0	0	0	0	0	UWED
Gen-Probe Incorporated	9393 Waples St #120, San Diego, CA, 92121	San Diego	San Diego	0	9.0995	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	940 N. Tustin St., Orange, CA, 92867	Orange	Orange	0	2.2005	0.457	0	0	0	0	0	UWED
Goodwill Sacramento	9400 Fairway Dr, Roseville, CA, 95678-3596	Roseville	Placer	0	40	3.1	0	0	0	0	0	UWED
Costco Wholesale Corporation	9404 Central Avenue, Montclair, CA, 91763	Montclair	San Bernardino	0	3.938	0	0	0	0	0	0	UWED
Goodwill Industries of SJV	943 W March Ln, Stockton, CA, 95207-6208	Stockton	San Joaquin	0	5.3835	6.6615	0	0	0	0	0	UWED
PG&E	945 Cottonwood Rd, Oroville, CA, 95965-9216	Oroville	Butte	0	1.15	0	0	0	0	0	0	UWED
A&G ELECTRONICS	9462 Magnolia, Riverside, CA, 92503	Riverside	Riverside	0	3.08	1.468	0	0	0	0	0	UWED

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Pick n Earn	9467 S Normandie Ave, Los Angeles, CA, 90044	Los Angeles	Los Angeles	0	50	30	80	0	0	0	0	UWED
A&J Electronics Recycling E-Waste	950 Amarillo Ave, palo alto, CA, 94303	palo alto	Santa Clara	0	0.3915	0.1925	0	0	0	0	0	UWED
Enviro - We USA llc	950 Dennery Rd, San Diego, CA, 92154-8471	San Diego	San Diego	0	7.568	2.6675	0	0	0	0	0	UWED
Best Buy	950 Lakes Dr, West Covina, CA, 91790-2926	West Covina	Los Angeles	0	10	0.8685	0	0	0	0	0	UWED
Pacific Bell Telephone Company	950 W Washington Ave, Escondido, CA, 92025-1637	Escondido	San Diego	0	3.514	0	0	0	0	0	0	UWED
Greater Valley Conservation Corps	9500 Aprron Dr, Atwater, CA, 95301	Atwater	Merced	0	1.67	1.783	1.6435	0	0	0	0	UWED
AT&T	951 Howard Street, San Francisco, CA, 94103	San Francisco	San Francisco	0	4.572	0	0	0	0	0	0	UWED
Costco Wholesale Corporation	951 Palomar Airport Road, Carlsbad, CA, 92011	Carlsbad	San Diego	0	10	0.0335	0	0	0	0	0	UWED
Pacific Bell Telephone Company	951 S State Highway 49, Jackson, CA, 95642-2640	Jackson	Amador	0	0.9085	0	0	0	0	0	0	UWED
Western Digital	951 SanDisk Drive, Milpitas, CA, 95035	Milpitas	Santa Clara	0	9.9615	0	0.07	0	0	0	0	UWED
Allied Waste Systems, Inc.	951 Waterbird Way, Martinez, CA, 94553	Martinez	Contra Costa	0	4.25	0	0	0	0	0	0	UWED
Office Depot, Inc.	9527 W Pico Blvd, Los Angeles, CA, 90035	Los Angeles	Los Angeles	0	1.8595	0	0	0	0	0	0	UWED
Attan Recycling Corporation	9528 Beverly Blvd., Pico Rivera, CA, 90660	Pico Rivera	Los Angeles	0	8.2575	5.5675	0	0	0	0	0	UWED
County Sanitation Districts of Los Angeles County	9530 Garfield Ave, South Gate, CA, 90280-5422	South Gate	Los Angeles	0	1.932	2.4175	0	0	0	0	0	UWED
Best Buy	9540 Mira Mesa Blvd, San Diego, CA, 92126-4896	San Diego	San Diego	0	30	1.6955	0	0	0	0	0	UWED
SES Secure E-Waste Solutions	9550 Carmel Mountain Rd, San Diego, CA, 92129	San Diego	San Diego	0	7.2025	3.2305	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	9575 Mission Gorge Rd, Santee, CA, 92071-3803	Santee	San Diego	6080	0	10	0	0	0	0	0	UWED
Pacific Bell Telephone Company	96 Louise St, San Rafael, CA, 94901-4718	San Rafael	Marin	0	0.156	0	0	0	0	0	0	UWED
AT&T	960 Franklin Ave, Yuba City, CA, 95991-5318	Yuba City	Sutter	0	0.0005	0	0	0	0	0	0	UWED
my ewaste drop off	9600 Seventh Ave., Hesperia, CA, 92345	Hesperia	San Bernardino	0	1.755	2.565	0	0	0	0	0	UWED
Recology Yuba-Sutter	9633 N St, Live Oak, CA, 95953-2376	Live Oak	Sutter	0	1.1965	0.275	0	0	0	0	0	UWED
Attan Recycling Corporation	9635 Greenleaf Ave, Santa Fe Springs, CA, 90670-3001	Santa Fe Springs	Orange	0	30	8.261	0	0	0	0	0	UWED
Best Buy	9680 Mission Gorge Rd, Santee, CA, 92071-3806	Santee	San Diego	0	20	1.024	0	0	0	0	0	UWED

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Goodwill Sacramento	9699 E. Stockton Blvd., Elk Grove, CA, 95624	Elk Grove	Sacramento	0	30	2.604	0	0	0	0	0	UWED
HSS Recycling	97 Commerce Dr, Buellton, CA, 93427-9500	Buellton	Santa Barbara	0	2.828	0.3455	0	0	0	0	0	UWED
A&G ELECTRONICS	972 W. 9th Street., Upland, CA, 91786	Upland	San Bernardino	0	7.079	2.7055	0	0	0	0	0	UWED
Mariposa County Landfill	9729 Merced Falls Rd, La Grange, CA, 95329-8632	La Grange	Mariposa	0	0.2045	0.24	0	0	0	0	0	UWED
Recology	975 SNEATH LANE, San Bruno, CA, 94066	San Bruno	San Mateo	0	8.3545	0.838	0	0	0	0	0	UWED
Downey Area Recycling and Transfer	9770 Washburn Rd, Downey, CA, 90241-5625	Downey	Los Angeles	0	2.1655	0.8365	0	0	0	0	0	UWED
my ewaste drop off	9779 Starfish Ave., Fountain Valley, CA, 92708	Fountain Valley	San Diego	0	0.2955	0.22	0	0	0	0	0	UWED
Crime Scene Steri- Clean	9785 Crescent Center Drive, Rancho Cucamonga, CA, 91730	Rancho Cucamonga	Los Angeles	0	2.6955	1.9685	0	0	0	0	0	UWED
Pacific Bell Telephone Company	9790 Olson Dr, San Diego, CA, 92121-2801	San Diego	San Diego	0	1.289	0	0	0	0	0	0	UWED
Supermicro Computer Inc	980 Rock Ave, San Jose, CA, 95131	San Jose	Santa Clara	0	50	0	0.0705	0	0	0	0	UWED
Corporate Ewaste Solutions	9828 Buckwheat Rd., Phelan, CA, 92371	Phelan	San Bernardino	0	1.5595	0.625	0	0	0	0	0	UWED
County of Santa Cruz	9835 Newell Creek Rd, Ben Lomond, CA, 95005- 9475	Ben Lomond	Santa Cruz	0	10	10	0	0	0	0	0	UWED
Ecycle Pros, Inc.	984 Dexter Way, Ripon, CA, 95366	Ripon	San Joaquin	0	50	7.244	2.825	0	0	0	0	UWED
DISH Network	9844 BUSINESS PARK DRIVE, SUITE A, Sacramento, CA, 95827	Sacramento	Sacramento	0	0.8435	0	0	0	0	0	0	UWED
Goodwill Industries	986 Main St, Watsonville, CA, 95076-3813	Watsonville	Santa Cruz	0	0.0255	120	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	988 Waterman Canyon Rd, Crestline, CA, 92325	Crestline	San Bernardino	0	6.2165	4.2655	4.2655	0	0	0	0	UWED
Attan Recycling Corporation	9882 Adams Ave, Huntington Beach, CA, 92646-4808	Huntington Beach	Orange	0	20	3.545	0	0	0	0	0	UWED
XP Power, LLC	990 Benicia Avenue, Sunnyvale, CA, 94085	Sunnyvale	Santa Clara	0	7.429	0	0	0	0	0	0	UWED
Office Depot, Inc.	993 Avenida Pico, San Clemente, CA, 92673	San Clemente	Orange	0	2.26	0	0	0	0	0	0	UWED
my ewaste drop off	9950 Monte Vista Ave, Montclair, CA, 91763	Montclair	San Bernardino	0	3.448	2.0825	0	0	0	0	0	UWED
Enviro - We USA llc	997 Woodland Parkway, San Marcos, CA, 92069	San Marcos	San Diego	0	2.149	1.9615	0	0	0	0	0	UWED
Grand Central Recycling & Transfer Station, Inc.	999 Hatcher Ave, City Of Industry, CA, 91748-1016	City Of Industry	Los Angeles	0	10	10	0	0	0	0	0	UWED

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County of Los Angeles Department of Public Works	Alicante Road and Adelfa Drive, Tennis Court/Swimming Pool P, La Mirada, CA, 90638	La Mirada	Los Angeles	0	4.3595	3.392	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Barranca Avenue and Alosta Avenue, Glendora, CA, 91740	Glendora	Los Angeles	0	4.5895	2.718	0	0	0	0	0	UWED
County of Inyo	Big Pine Dump Road, Big Pine, CA, 93514	Big Pine	Inyo	0	4.9	1.6	0	0	0	0	0	UWED
DLA Disposition Services Pendleton	Bldg 2241, Camp Pendleton, CA, 92055	Camp Pendleton	San Diego	0	230	0	0	0	0	0	0	UWED
United Airlines, Inc.	Bldg 642 West Cargo Road, San Francisco, CA, 94128	San Francisco	San Mateo	0	2.1485	0.028	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Butler Ave. and Bellinger St., Lynwood, CA, 90262	Lynwood	Los Angeles	0	2.7085	1.7415	0	0	0	0	0	UWED
Carnival Cruise Line	Carnival Miracle 231 Windsor Way, Long Beach, CA, 90802	Long Beach	Los Angeles	0	4.095	0	0.04	0	0	0	0	UWED
Carnival Cruise Line	Carnival Panorama 231 Windsor Way, Long Beach, CA, 90802	Long Beach	Los Angeles	0	0.396	0	0	0	0	0	0	UWED
Carnival Cruise Line	Carnival Radiance 231 Windsor Way, Long Beach, CA, 85344	Long Beach	Los Angeles	0	3.5865	0	0	0	0	0	0	UWED
University of California,	Central Stores, Mesa Road, Bldg. 507, Santa Barbara, CA, 93106-8010	Santa Barbara	Santa Barbara	0	40	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Clark Ave. and Oak St., Bellflower, CA, 90706	Bellflower	Los Angeles	0	4.313	2.1495	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Colorado St. and Baldwin Ave., Arcadia, CA, 91077	Arcadia	Los Angeles	0	8.344	3.4135	0	0	0	0	0	UWED
E-recycling of California	Corner of Bellinger Street / Butler, Lynwood, CA, 90262	Lynwood	Los Angeles	0	5.424	1.8825	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Corner of South Street and Elaine Avenue, Artesia, CA, 90701	Artesia	Los Angeles	0	3.4635	1.731	0	0	0	0	0	UWED
Onsite Electronics Recycling	Downing & Mourfield, Stockton, CA, 95206	Stockton	San Joaquin	0	0.5655	0.395	0	0	0	0	0	UWED
County of Inyo	Dump Road, Independence, CA, 93514	Independence	Inyo	0	4.9	2.699	0	0	0	0	0	UWED
Greater Valley Conservation Corps	El Nido Rd. And Hwy. 59, El Nido, CA, 95317	El Nido	Merced	0	0.1675	0	0.0335	0	0	0	0	UWED
County of Los Angeles Department of Public Works	El Segundo Blvd and Doty Ave., Hawthorne, CA, 90250	Hawthorne	Los Angeles	0	3.983	1.9775	0	0	0	0	0	UWED

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PSC Environmental Services	Fairplex Drive and MCKinley Ave, La Verne, CA, 91750	La Verne	Los Angeles	0	10	2.029	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Fairplex Drive and West McKinley Avenue, La Verne, CA, 91750	La Verne	Los Angeles	0	3.513	2.1625	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Foothill Rd. between Alden Dr. and West 3rd St., Beverly Hills, CA, 90210	Beverly Hills	Los Angeles	0	3.574	2.439	0	0	0	0	0	UWED
Burrtec Waste Industries, Inc.	General Delivery, Green Valley Lake, CA, 92341-9999	Green Valley Lake	San Bernardino	0	1.554	1.0665	1.0665	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Hacienda Boulevard and Encanada Drive, LA Habra Heights, CA, 90241	LA Habra Heights	Los Angeles	0	2.343	1.12	0	0	0	0	0	UWED
PSC Environmental Services	Hawthorne Blvd & 111th st, Hawthorne, CA, 90304	Hawthorne	Los Angeles	0	0.5125	0.059	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Hawthorne Blvd. & 111th Street, Lennox, CA, 90304	Lennox	Los Angeles	0	0.3765	0.195	0	0	0	0	0	UWED
PG&E	Highway 70 ,5 miles East of Storrie, Storrie, CA, 95980	Storrie	Plumas	0	0.5	0	0	0	0	0	0	UWED
E-recycling of California	Highway 74 and Meadowbrook, Perris, CA, 92555	Perris	Riverside	0	1.28	0.819	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Hughes Way off of Sepulveda Blvd. (Parking lot, El Segundo, CA, 90245	El Segundo	Los Angeles	0	2.15	0.7555	0	0	0	0	0	UWED
Aerojet Rocketdyne, Inc.	Hwy 50 and Aerojet Rd, Rancho Cordova, CA, 95670	Rancho Cordova	Sacramento	0	4.8815	0.012	0	0	0	0	0	UWED
PG&E	Hwy. 1 and Dolan Road, Moss Landing, CA, 95039	Moss Landing	Monterey	0	0.15	0	0	0	0	0	0	UWED
PG&E	I40 at Park Moabi Road, Needles, CA, 92363	Needles	San Bernardino	0	0.575	0	0	0	0	0	0	UWED
PG&E	JAYNE AVENUE, 1 MILE WEST OF LASSEN AVE, HURON, CA, 93210	HURON	Fresno	0	0.45	0	0	0	0	0	0	UWED
Carmel Marina Corporation	Lewis Rd off of Salinas Rd, Pajaro, CA, 95076	Pajaro	Monterey	0	0.89	0.12	0	0	0	0	0	UWED
e-Recycling of California	Live Oak High School, Live Oak, CA, 95953	Live Oak	Sutter	0	1.1965	0.275	0	0	0	0	0	UWED
Goodwill Industries	Longs,268 Reservation Road, Marina, CA, 93933	Marina	Monterey	0	1.9395	1.2	0	0	0	0	0	UWED
Mariposa County Landfill	Mary Harris Mine Road off Highway 49, Mariposa, CA, 95338	Mariposa	Mariposa	0	0.082	0.096	0	0	0	0	0	UWED

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DLA Disposition Services Barstow	MCLB BLDG 226 Joseph Boll Ave, Barstow, CA, 92311	Barstow	San Bernardino	0	280	0	0	0	0	0	0	UWED
Recology	Obispo Road and Avenue Portola, El Granada, CA, 94018	El Granada	San Mateo	0	8.9195	1.6035	0	0	0	0	0	UWED
Amgen	One Amgen Center Dr., Thousand Oaks, CA, 91320	Thousand Oaks	Ventura	1720	0	0.1	0	0	0	0	0	UWED
Goodwill Industries	Outside Pvt. Bolio Gate, Monterey, CA, 93944	Monterey	Monterey	0	0.3425	0.175	0	0	0	0	0	UWED
Kings View Recycling	P.O. Box 774, Atwater, CA, 95301	Atwater	Merced	0	0.9105	0	0.45	0	0	0	0	UWED
E-recycling of California	Parking Lot 6N Corner of Maclay & 1st, San Fernando, CA, 91340	San Fernando	Los Angeles	0	3.5095	0.9805	0	0	0	0	0	UWED
E-recycling of California	Parking Lot on 7th between N. Sierra and Waterman, San Bernardino, CA, 92410	San Bernardino	San Bernardino	0	0.6255	0.663	0	0	0	0	0	UWED
Riverside County Dept. of Waste Resources	PINON FLATS TRANSFER STATION, PINYON PINES, CA, 92561	PINYON PINES	Riverside	0	0.06	0	0	0	0	0	0	UWED
AFRC Safety and Environmental Office	PO Box 273 M/S 4822B, Lily Avenue, Edwards, CA, 93524	Edwards	Kern	0	10	0.848	0	0	0	0	0	UWED
PG&E	PO Box 56, Avila Beach, CA, 93424-0056	Avila Beach	San Luis Obispo	0	1.584	0	0	0	0	0	0	UWED
Superior Thrift Store	PO Box 8796, Stockton, CA, 95208-0796	Stockton	San Joaquin	0	40	10	0	0	0	0	0	UWED
NASA Ames Research Center	Property Disposal Warehouse Bldg. N255, Moffett Field, CA, 94035-1000	Moffett Field	Santa Clara	0	30	0.42	0	0	0	0	0	UWED
my ewaste drop off	S Mt Vernon Ave, Colton, CA, 92324	Colton	San Bernardino	0	2.9875	3.2625	0	0	0	0	0	UWED
Santa Clara University	Santa Clara University, Santa Clara, CA, 95053	Santa Clara	Santa Clara	0	10	10	9.1265	0	0	0	0	UWED
e-Recycling of California	Smith Field Little League Park, Half Moon Bay, CA, 94019	Half Moon Bay	San Mateo	0	4.744	0.627	0	0	0	0	0	UWED
PSC Environmental Services	South St & Elaine Ave, Artesia, CA, 90701	Artesia	Los Angeles	0	8.546	0	1.7565	0	0	0	0	UWED
County of Inyo	Substation Rd, Lone Pine, CA, 93514	Lone Pine	Inyo	0	7.067	3.899	0	0	0	0	0	UWED
PSC Environmental Services	Tweedy Blvd & Hildreth Ave, South Gate, CA, 90280	South Gate	Los Angeles	0	8.11	1.95	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	Tweedy Blvd at Hildreth Ave, South Gate, CA, 90638	South Gate	Los Angeles	0	5.7295	4.3305	0	0	0	0	0	UWED

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UNITED AIRLINES, INC.	United Airlines, Inc., San Francisco, CA, 94128-3800	San Francisco	San Mateo	0	4.7445	0.041	0	0	0	0	0	UWED
US Coast Guard	US Coast Guard Sector San Diego, San Diego, CA, 92101	San Diego	San Diego	70	0	0	0	0	0	0	0	UWED
County of Los Angeles Department of Public Works	West 3rd St. and Zachary Pedilla Ave., Azusa, CA, 91702	Azusa	Los Angeles	0	7.6385	4.0455	0	0	0	0	0	UWED
PG&E	Zuckerman Road on McDonald Island, Holt, CA, 95234	Holt	San Joaquin	0	0.5525	0	0.0075	0	0	0	0	UWED
Santa Monica City Yard	2500 Michigan Avenue, Santa Monica, CA, 90404	Santa Monica	Los Angeles	0	0	0	0	0	250	0	0	PV Modules Report
Butte County Neal Road Recycling and Waste Facility	1023 Neal Road, Paradise, CA, 95969	Paradise	Butte	0	0	0	0	0	80	0	0	PV Modules Report
NovaSource Power Services	15637 West Avenue A, Rosamond, CA, 93560	Rosamond	Kern	0	0	0	0	0	0	70	0	PV Modules Report
Electronic Recyclers International	3243 S East Avenue #108, Fresno, CA, 93725	Fresno	Fresno	0	0	0	0	0	0	40	0	PV Modules Report
Lone Valley Solar I, LLC	7950 Camp Rock Road, Lucerne Valley, CA, 92356	Lucerne Valley	San Bernardino	0	0	0	0	0	0	8.52	0	PV Modules Report
AERC Recycling Solutions, A Clean Earth Company	1733 Morgan Rd, Ste 250, Modesto, CA, 95358	Modesto	Stanislaus	0	0	0	0	0	0	1.9325	0	PV Modules Report
Tesla Energy Warehouse - Bakersfield	5206 Young Street, Ste C, Bakersfield, CA, 93311	Bakersfield	Kern	0	0	0	0	0	0	20	0	PV Modules Report
Tesla Energy Warehouse - Chatsworth	21040 Nordhoff Street, Chatsworth, CA, 91311	Chatsworth	Los Angeles	0	0	0	0	0	0	20	0	PV Modules Report
Tesla Energy Warehouse - Foster City	391 Foster City Boulevard, Foster City, CA, 94404	Foster City	San Mateo	0	0	0	0	0	0	40	0	PV Modules Report
Tesla Energy Warehouse - Fresno	651 N Armstrong Avenue Suite 108, Fresno, CA, 93727	Fresno	Fresno	0	0	0	0	0	0	80	0	PV Modules Report
Tesla Energy Warehouse - Hawthorne	4884 W. 145th Street, Hawthorne, CA, 90250	Hawthorne	Los Angeles	0	0	0	0	0	0	20	0	PV Modules Report
Tesla Energy Warehouse - Huntwood	31353 Huntwood Avenue, Hayward, CA, 94545	Hayward	Alameda	0	0	0	0	0	0	6.951	0	PV Modules Report
Tesla Energy Warehouse - Irvine	2102 Alton Pkwy Suite B, Irvine, CA, 92606	Irvine	Orange	0	0	0	0	0	0	30	0	PV Modules Report
Tesla Energy Warehouse - Burbank	Avion Burbank Corporate Campus 3022 North Kenwood Street, Burbank, CA, 91505	Burbank	Los Angeles	0	0	0	0	0	0	20	0	PV Modules Report
Tesla Energy Warehouse - Martinez	187C Arthur Road, Martinez, CA, 94553	Martinez	Contra Costa	0	0	0	0	0	0	50	0	PV Modules Report

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Tesla Energy Warehouse - Milpitas	418 South Abbott Avenue, Milpitas, CA, 95035	Milpitas	Santa Clara	0	0	0	0	0	0	30	0	PV Modules Report
Tesla Energy Warehouse - Petaluma	1362 North McDowell Blvd, Suite A, Petaluma, CA, 94954	Petaluma	Sonoma	0	0	0	0	0	0	20	0	PV Modules Report
Tesla Energy Warehouse - Riverside	1755 Iowa Avenue, Building B, Riverside, CA, 92507	Riverside	Riverside	0	0	0	0	0	0	40	0	PV Modules Report
Tesla Energy Warehouse - Sacramento	2709 Academy Way, Suite 300, Sacramento, CA,	Sacramento	Sacramento	0	0	0	0	0	0	70	0	PV Modules Report
Tesla Energy Warehouse - San Diego	8225 Mercury Court, San Diego, CA, 92111	San Diego	San Diego	0	0	0	0	0	0	30	0	PV Modules Report
Tesla Energy Warehouse - Santa Maria	1235 W McCoy Ln, Suite C, Santa Maria, CA, 93455	Santa Maria	Santa Barbara	0	0	0	0	0	0	20	0	PV Modules Report
Tesla Energy Warehouse - Stockton	2001 Arch Airport Road, Suite 300, Stockton, CA, 95206	Stockton	San Joaquin	0	0	0	0	0	0	30	0	PV Modules Report
Tesla Energy Warehouse - Victorville	18499 Phantom West, Suite B, Victorville, CA, 92394	Victorville	San Bernardino	0	0	0	0	0	0	4.419	0	PV Modules Report
Tesla Energy Warehouse - Vista	2370 Oak Ridge Wat, Vista, CA, 92081	Vista	San Diego	0	0	0	0	0	0	3.25	0	PV Modules Report
Tesla Kato 1	47400 Fremont Blvd, Fremont, CA, 94538	Fremont	Alameda	0	0	0	0	0	0	0.8905	0	PV Modules Report
San Jose Training Center	2711 N First St, San Jose, CA, 95134	San Jose	Santa Clara County	0	0	0	0	0	0	0.34	0	PV Modules Report
Lone Valley Solar II, LLC	8550 Camp Rock Road, Lucerne Valley, CA, 92356	Lucerne Valley	San Bernardino	0	0	0	0	0	0	20	0	PV Modules Report
Southern California Air Cond	1 North Cesar Chavez St. 13, Santa Barbara, CA, 93103	Santa Barbara	Santa Barbara	0	0	0	0	0	0	0	0.0000899	Mercury Non-Profit Corporation
Johnstone Supply	1000 El Sobrante Rd., CORONA, CA, 92879	CORONA	Riverside	0	0	0	0	0	0	0	0.0001457	Mercury Non-Profit Corporation
Pastime Hardware	10057 San Pablo Ave., El Cerrito, CA, 94530	El Cerrito	Contra Costa	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Sigler Wholesale Distributors	1037 N. MARKET BLVD, SACRAMENTO, CA, 95834	SACRAMENTO	Sacramento	0	0	0	0	0	0	0	0.0000341	Mercury Non-Profit Corporation
Refrigeration Supplies Distributor (RSD)	1050 Commercial Street, San Jose, CA, 95112	San Jose	Santa Clara	0	0	0	0	0	0	0	0.000186	Mercury Non-Profit Corporation
Gianelli's Appliances & Supplies	10855 Folsom Blvd, Rancho Cordova, CA, 95670	Rancho Cordova	Sacramento	0	0	0	0	0	0	0	0	Mercury Non-Profit Corporation



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RSD	110 EAST MAIN STREET, EL CENTRO, CA, 92243	EL CENTRO	Imperial	0	0	0	0	0	0	0	0.0000837	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	1100 Chestnut St., Burbank, CA, 91506	Burbank	Los Angeles	0	0	0	0	0	0	0	0.0000496	Mercury Non-Profit Corporation
Refrigeration Supplies Distributor (RSD)	1121 Lone Palm Avenue, Modesto, CA, 95351	Modesto	Stanislaus	0	0	0	0	0	0	0	0.0000837	Mercury Non-Profit Corporation
United Refrigeration	1123 LONE PALM AVENUE, MODESTO, CA, 95351	MODESTO	Stanislaus	0	0	0	0	0	0	0	0.0000341	Mercury Non-Profit Corporation
United Refrigeration, Inc.	1134 E. Dominguez Street, Carson, CA, 90746	Carson	Los Angeles	0	0	0	0	0	0	0	0.0001302	Mercury Non-Profit Corporation
Paso Robles Heating Air	1142 Railroad St., Paso Robles, CA, 93446	Paso Robles	San Luis Obispo	0	0	0	0	0	0	0	0.0001085	Mercury Non-Profit Corporation
John Harrison Contracting	1143 W. Lincoln Street, Banning, CA, 92220	Banning	Riverside	0	0	0	0	0	0	0	0.0001767	Mercury Non-Profit Corporation
Air Cold Supply - A Ferguson Enterprise	1144 West Avenue L12, Lancaster, CA, 93534	Lancaster	Los Angeles	0	0	0	0	0	0	0	0.0001209	Mercury Non-Profit Corporation
Gibson Heating And Air	1153 Prestige Way, Redding, CA, 96003	Redding	Shasta	0	0	0	0	0	0	0	0.0000775	Mercury Non-Profit Corporation
Geary Pacific Supply	1161 W. Bradley Avenue, El Cajon, CA, 92020	El Cajon	San Diego	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
Baker Distributing Company	11636 Tuxford Street, Sun Valley, CA, 91352	Sun Valley	Los Angeles	0	0	0	0	0	0	0	0.0001953	Mercury Non-Profit Corporation
Heating & Cooling LLC	11661 RIVERSIDE DRIVE STE. 185, LAKESIDE, CA, 92040	LAKESIDE	San Diego	0	0	0	0	0	0	0	0.0000248	Mercury Non-Profit Corporation
RSD	117 Via Trevizio, Corona, CA, 92879	Corona	Riverside	0	0	0	0	0	0	0	0.0000744	Mercury Non-Profit Corporation
Johnstone Supply	11725 Inglewood Ave., Hawthorne, CA, 90250	Hawthorne	Los Angeles	0	0	0	0	0	0	0	0.0001488	Mercury Non-Profit Corporation
Slakey Brothers	1190 Western Street, Fairfield, CA, 94533	Fairfield	Solano	0	0	0	0	0	0	0	0.0000496	Mercury Non-Profit Corporation
Ac Pro	1198 E. Willow Street, Signal Hill, CA, 90755	Signal Hill	Los Angeles	0	0	0	0	0	0	0	0.0000341	Mercury Non-Profit Corporation
Geary Pacific Supply	1200 E. Cerritos Avenue, Anaheim, CA, 92805	Anaheim	Orange	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation

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Allied Refrigeration	1211 E. Edinger Avenue, Tustin, CA, 92780	Tustin	Orange	0	0	0	0	0	0	0	0.0002325	Mercury Non-Profit Corporation
Heating & Cooling LLC	12140 Magnolia Ave, Riverside, CA, 92503	Riverside	Riverside	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
Ferguson Heating & Cooling	1224 NORTH MARSHALL, EL CAJON, CA, 92020	EL CAJON	San Diego	0	0	0	0	0	0	0	0.0003565	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	1225 N. KRAEMER BLVD, ANAHEIM, CA, 92806	ANAHEIM	Orange	0	0	0	0	0	0	0	0.0000744	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	1233 N. 5th Street, San Jose, CA, 95112	San Jose	Santa Clara	0	0	0	0	0	0	0	0.0004433	Mercury Non-Profit Corporation
AC Pro	12365 Central Ave., Chino, CA, 91710	Chino	San Bernardino	0	0	0	0	0	0	0	0.0000527	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	12520 Business Center Drive, Victorville, CA, 92395	Victorville	San Bernardino	0	0	0	0	0	0	0	0.0000372	Mercury Non-Profit Corporation
Allied Refrigeration	1256 Price Avenue, Pomona, CA, 91767	Pomona	Los Angeles	0	0	0	0	0	0	0	0.000434	Mercury Non-Profit Corporation
United Refrigeration, Inc.	1265 W. McCoy Lane, Santa Maria, CA, 93455	Santa Maria	Santa Barbara	0	0	0	0	0	0	0	0.0000806	Mercury Non-Profit Corporation
Express Heating & Ac	12821A ALCOSTA BLVD, SAN RAMON, CA, 94583	SAN RAMON	Contra Costa	0	0	0	0	0	0	0	0.0002263	Mercury Non-Profit Corporation
Baker Distributing Company	1295 N. Emerald Avenue, Modesto, CA, 95351	Modesto	Stanislaus	0	0	0	0	0	0	0	0.0000434	Mercury Non-Profit Corporation
City Of Folsom Hazardous Waste	1300 Leidesdorff St, Folsom, CA, 95630	Folsom	Sacramento	0	0	0	0	0	0	0	0.0000372	Mercury Non-Profit Corporation
Merrit's Hardware	1302 N Hacienda Blvd, La Puente, CA, 91744	La Puente	Los Angeles	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Us Air Conditioning Distributors, Inc. (USACD)	1304 S. Claudina Street, Anaheim, CA, 92805	Anaheim	Orange	0	0	0	0	0	0	0	0.000186	Mercury Non-Profit Corporation
AC Pro	13230 Evening Creek Dr. South, San Diego, CA, 92128	San Diego	San Diego	0	0	0	0	0	0	0	0.000062	Mercury Non-Profit Corporation
United Refrigeration	134 NOPALITAS WAY, SANTA BARBARA, CA, 93103	SANTA BARBARA	Santa Barbara	0	0	0	0	0	0	0	0.0001085	Mercury Non-Profit Corporation
Air Cold Supply - A Ferguson Enterprise	1346 S. Claudina Street, Anaheim, CA, 92805	Anaheim	Orange	0	0	0	0	0	0	0	0.0000868	Mercury Non-Profit Corporation

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Air Cold Supply - A Ferguson Enterprise	13500 Saticoy Street, Van Nuys, CA, 91402	Van Nuys	Los Angeles	0	0	0	0	0	0	0	0.0000589	Mercury Non-Profit Corporation
Assoc. Heating & Air Conditioning & Sheet Metal	1355 Abbott St, Salinas, CA, 93906	Salinas	Monterey	0	0	0	0	0	0	0	0.0000806	Mercury Non-Profit Corporation
R.E. Michel Company, Inc.	1359 Oakland Road, San Jose, CA, 95112	San Jose	Santa Clara	0	0	0	0	0	0	0	0.0000372	Mercury Non-Profit Corporation
W.W. Grainger, Inc.	1360 Rollins Rd., Burlingame, CA, 94010	Burlingame	San Mateo	0	0	0	0	0	0	0	0.0000031	Mercury Non-Profit Corporation
Lennox Stores	13668 Valley Blvd A, City of Industry, CA, 91746	City of Industry	Los Angeles	0	0	0	0	0	0	0	0.0001085	Mercury Non-Profit Corporation
RSD	1376 STEALTH STREET, LIVERMORE, CA, 94551	LIVERMORE	Alameda	0	0	0	0	0	0	0	0.0005828	Mercury Non-Profit Corporation
Johnstone Supply	1384 14th Street, Oakland, CA, 94607	Oakland	Alameda	0	0	0	0	0	0	0	0.0009145	Mercury Non-Profit Corporation
Ac Pro	1402 N. Magnolia Ave, El Cajon, CA, 92020	El Cajon	San Diego	0	0	0	0	0	0	0	0.0001674	Mercury Non-Profit Corporation
American Refrigeration Supplies, Inc.	1405-2 Granite Lane, Modesto, CA, 95351	Modesto	Stanislaus	0	0	0	0	0	0	0	0.0000899	Mercury Non-Profit Corporation
R.E. Michel Company, Inc.	1437 Fayette Street, El Cajon, CA, 92020	El Cajon	San Diego	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation
Johnstone Supply	1445 San Mateo Avenue, South San Francisco, CA, 94080	South San Francisco	San Mateo	0	0	0	0	0	0	0	0.0001891	Mercury Non-Profit Corporation
Heating & Cooling Supply, LLC	14742 Raymer Street, Van Nuys, CA, 91405	Van Nuys	Los Angeles	0	0	0	0	0	0	0	0.000093	Mercury Non-Profit Corporation
Sigler Wholesale Distributors	14751 MERIDIAN PARKWAY, RIVERSIDE, CA, 92518	RIVERSIDE	Riverside	0	0	0	0	0	0	0	0.000093	Mercury Non-Profit Corporation
Mds Recycles	14761 Franklin Ave., Tustin, CA, 92780	Tustin	Orange	0	0	0	0	0	0	0	0.0007347	Mercury Non-Profit Corporation
Slakey Brothers	1480 Nicora Avenue, San Jose, CA, 95133	San Jose	Santa Clara	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
Gow Supply Company	1492 Egbert Avenue, San Francisco, CA, 94124	San Francisco	San Francisco	0	0	0	0	0	0	0	0.0002263	Mercury Non-Profit Corporation
Johnstone Supply	1497 Zephyr Ave., Hayward, CA, 94544	Hayward	Alameda	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation

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Totaline	15041 Bake Pkwy, Irvine, CA, 92618	Irvine	Orange	0	0	0	0	0	0	0	0.0000868	Mercury Non-Profit Corporation
Lennox Stores	151 West Orangethorpe Avenue, Placentia, CA, 92870	Placentia	Orange	0	0	0	0	0	0	0	0.0000496	Mercury Non-Profit Corporation
Hassler Heating And Air Conditioning	1537 South 56th Street, El Cerrito, CA, 94530	El Cerrito	Contra Costa	0	0	0	0	0	0	0	0.0001488	Mercury Non-Profit Corporation
Select Acr Inc.	1541 Marlborough Ave, Riverside, CA, 92507	Riverside	Riverside	0	0	0	0	0	0	0	0.0000248	Mercury Non-Profit Corporation
R.E. Michel Company Inc.	155 W. Victoria Street, Long Beach, CA, 90805	Long Beach	Los Angeles	0	0	0	0	0	0	0	0.0000062	Mercury Non-Profit Corporation
Trane Company	15551 Red Hill Avenue, TUSTIN, CA, 92780	TUSTIN	Orange	0	0	0	0	0	0	0	0.0000186	Mercury Non-Profit Corporation
Allied Refrigeration	15558 Cabrito Road, Van Nuys, CA, 91406	Van Nuys	Los Angeles	0	0	0	0	0	0	0	0.0000837	Mercury Non-Profit Corporation
Sigler	15612 FIRST ST, IRWINDALE, CA, 91706	IRWINDALE	Los Angeles	0	0	0	0	0	0	0	0.0002387	Mercury Non-Profit Corporation
City Of Lompoc	1585 N. V St., Lompoc, CA, 93436	Lompoc	Santa Barbara	0	0	0	0	0	0	0	0.0000031	Mercury Non-Profit Corporation
Johnstone Supply Co	16147 Avenida Patilla, Irwindale, CA, 91702	Irwindale	Los Angeles	0	0	0	0	0	0	0	0.0007347	Mercury Non-Profit Corporation
Goodman Distribution Inc. 768	16150 STAGG STREET, VAN NUYS, CA, 91406	VAN NUYS	Los Angeles	0	0	0	0	0	0	0	0.0000341	Mercury Non-Profit Corporation
AC Pro	1622 Illinois Ave., Perris, CA, 92570	Perris	Riverside	0	0	0	0	0	0	0	0.000155	Mercury Non-Profit Corporation
Baker Distributing	16253 Ornelas Street, Irwindale, CA, 91706	Irwindale	Los Angeles	0	0	0	0	0	0	0	0.000124	Mercury Non-Profit Corporation
Cfm Equipment Distributors, Inc.	1644 Main Avenue, Sacramento, CA, 95838	Sacramento	Sacramento	0	0	0	0	0	0	0	0.0000217	Mercury Non-Profit Corporation
United Refrigeration C4	16606 Schoenborn St, North Hills, CA, 91343	North Hills	Los Angeles	0	0	0	0	0	0	0	0.0000837	Mercury Non-Profit Corporation
Geary Pacific Supply	16665 Arminta Street, Van Nuys, CA, 91406	Van Nuys	Los Angeles	0	0	0	0	0	0	0	0.0002511	Mercury Non-Profit Corporation
Us Air Conditioning Distributors (USACD)	16900 Chestnut Street, City of Industry, CA, 91748	City of Industry	Los Angeles	0	0	0	0	0	0	0	0.000372	Mercury Non-Profit Corporation

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USACD	16950 Chestnut St., City of Industry, CA, 91748	City of Industry	Los Angeles	0	0	0	0	0	0	0	0.0003286	Mercury Non-Profit Corporation
United Refrigeration, Inc.	1736 Janelli Court, Visalia, CA, 93292	Visalia	Tulare	0	0	0	0	0	0	0	0.0000248	Mercury Non-Profit Corporation
Ac Pro	1751 Malborough Avenue, Riverside, CA, 92507	Riverside	Riverside	0	0	0	0	0	0	0	0.0003286	Mercury Non-Profit Corporation
Johnstone Supply 328	1755 GROGAN AVE, MERCED, CA, 95341	MERCED	Merced	0	0	0	0	0	0	0	0.0001302	Mercury Non-Profit Corporation
A-1 Guaranteed	1768 BROADWAY ST., VALLEJO, CA, 94589	VALLEJO	Solano	0	0	0	0	0	0	0	0.0000558	Mercury Non-Profit Corporation
Lennox Stores	1790 Iowa Avenue, Riverside, CA, 92507	Riverside	Riverside	0	0	0	0	0	0	0	0.0001395	Mercury Non-Profit Corporation
Goodman Distribution, Inc 764	18085 EUCLID STREET, FOUNTAIN VALLEY, CA, 92708	FOUNTAIN VALLEY	Orange	0	0	0	0	0	0	0	0.0000713	Mercury Non-Profit Corporation
United Refrigeration	1848 E. Griffith Way, Fresno, CA, 93726	Fresno	Fresno	0	0	0	0	0	0	0	0.0002387	Mercury Non-Profit Corporation
Miner's Ace Hardware	186 Station Way, Arroyo Grande, CA, 93420	Arroyo Grande	San Luis Obispo	0	0	0	0	0	0	0	0.0000248	Mercury Non-Profit Corporation
Clovis True Value	1890 Shaw Avenue, Clovis, CA, 93611	Clovis	Fresno	0	0	0	0	0	0	0	0.0000062	Mercury Non-Profit Corporation
Johnstone Supply	1900 Blue Gum Avenue, Modesto, CA, 95358	Modesto	Stanislaus	0	0	0	0	0	0	0	0.0003472	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	1900 Compton Ave Suite 102, Corona, CA, 92881	Corona	Riverside	0	0	0	0	0	0	0	0.0001488	Mercury Non-Profit Corporation
Totaline Of California	1900 Weld Blvd, EL Cajon, CA, 92020	EL Cajon	San Diego	0	0	0	0	0	0	0	0.0001674	Mercury Non-Profit Corporation
Johnstone Supply	19005 Parthenia Road, Northridge, CA, 91324	Northridge	Los Angeles	0	0	0	0	0	0	0	0.0002139	Mercury Non-Profit Corporation
Johnstone Supply	1903 FRIENDSHIP DRIVE, EL CAJON, CA, 92020	EL CAJON	San Diego	0	0	0	0	0	0	0	0.0006014	Mercury Non-Profit Corporation
United Refrigeration, Inc.	1920 E. McFadden Avenue, Santa Ana, CA, 92705	Santa Ana	Orange	0	0	0	0	0	0	0	0.0002015	Mercury Non-Profit Corporation
Allied Refrigeration	19220 Normandi Ave., Torrance, CA, 90502	Torrance	Los Angeles	0	0	0	0	0	0	0	0.0001364	Mercury Non-Profit Corporation

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Allied Refrigeration	1928 Don Lee Place, Escondido, CA, 92029	Escondido	San Diego	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	1972 Essex Court, Redlands, CA, 92373	Redlands	San Bernardino	0	0	0	0	0	0	0	0.000031	Mercury Non-Profit Corporation
Lennox Stores	19801 Nordhoff Pl 109, Chatsworth, CA, 91311	Chatsworth	Los Angeles	0	0	0	0	0	0	0	0.0000279	Mercury Non-Profit Corporation
Allied Refrigeration	199 S. Marshall Street, El Cajon, CA, 92020	El Cajon	San Diego	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation
Us Air Conditioning Distributors (USACD)	1995 Fairway Drive, San Leandro, CA, 94577	San Leandro	Alameda	0	0	0	0	0	0	0	0.0002108	Mercury Non-Profit Corporation
Johnstone Supply 098	200 TALMADGE DRIVE, SANTA ROSA, CA, 95407	SANTA ROSA	Sonoma	0	0	0	0	0	0	0	0.0000465	Mercury Non-Profit Corporation
AC Pro	2040 Oceanside Blvd., Oceanside, CA, 92054	Oceanside	San Diego	0	0	0	0	0	0	0	0.0002387	Mercury Non-Profit Corporation
Bryant Heating And Air Conditioning	2075 East Villa, Pasadena, CA, 91107	Pasadena	Los Angeles	0	0	0	0	0	0	0	0.0000527	Mercury Non-Profit Corporation
Us Air Conditioning Distributors (USACD)	2100 Chicago Ave., Riverside, CA, 92507	Riverside	Riverside	0	0	0	0	0	0	0	0.0003689	Mercury Non-Profit Corporation
RSD Santa Ana	2100 E. WILSHIRE AVE, SANTA ANA, CA, 92705	SANTA ANA	Orange	0	0	0	0	0	0	0	0.0001922	Mercury Non-Profit Corporation
Alameda County Household Haz. Waste Program	2100 East 7th Street, OAKLAND, CA, 94606	OAKLAND	Alameda	0	0	0	0	0	0	0	0.0001984	Mercury Non-Profit Corporation
Goodman Distribution	21030 Nordhof St., Chatsworth, CA, 91311	Chatsworth	Los Angeles	0	0	0	0	0	0	0	0.0002077	Mercury Non-Profit Corporation
Castro Valley Sanitary District	21040 MARSHALL STREET, CASTRO VALLEY, CA, 94546	CASTRO VALLEY	Alameda	0	0	0	0	0	0	0	0	Mercury Non-Profit Corporation
Sigler Wholesale Distributors	21200 Lassen Street, CHATSWORTH, CA, 91311	CHATSWORTH	Los Angeles	0	0	0	0	0	0	0	0.0003534	Mercury Non-Profit Corporation
Johnstone Supply	2130 V" STREET", Bakersfield, CA, 93301	Bakersfield	Kern	0	0	0	0	0	0	0	0.0000806	Mercury Non-Profit Corporation
Johnstone Supply	2132 Aviation Drive, Upland, CA, 91786	Upland	San Bernardino	0	0	0	0	0	0	0	0.0003286	Mercury Non-Profit Corporation
Baker Distributing Co.	2138 ZANKER ROAD, SAN JOSE, CA, 95131	SAN JOSE	Santa Clara	0	0	0	0	0	0	0	0.0001054	Mercury Non-Profit Corporation

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Bacsco	215 SUMNER ST, BAKERSFIELD, CA, 93305	BAKERSFIELD	Kern	0	0	0	0	0	0	0	0.0000062	Mercury Non-Profit Corporation
Allied Refrigeration	2170 Commerce Avenue, Concord, CA, 94520	Concord	Contra Costa	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Trane	21720 Wilmington Ave., Long Beach, CA, 90810	Long Beach	Los Angeles	0	0	0	0	0	0	0	0.0000031	Mercury Non-Profit Corporation
RSD	21727 NORDHOFF STREET, CHATSWORTH, CA, 91311	CHATSWORTH	Los Angeles	0	0	0	0	0	0	0	0.000124	Mercury Non-Profit Corporation
Allied Refrigeration	2175 Adams Avenue, San Leandro, CA, 94577	San Leandro	Alameda	0	0	0	0	0	0	0	0.0000806	Mercury Non-Profit Corporation
Ac Pro	2181 Meyers Ave, Escondido, CA, 92029	Escondido	San Diego	0	0	0	0	0	0	0	0.0000651	Mercury Non-Profit Corporation
RSD	2208 EAST MCKINLEY AVENUE, FRESNO, CA, 93703	FRESNO	Fresno	0	0	0	0	0	0	0	0.004526	Mercury Non-Profit Corporation
County Of Fresno Dept of Public Works	2220 Tulare St., Fresno, CA, 93721	Fresno	Fresno	0	0	0	0	0	0	0	0	Mercury Non-Profit Corporation
Lennox PartsPlus	2250 Micro Place, Escondido, CA, 92029	Escondido	San Diego	0	0	0	0	0	0	0	0.0000279	Mercury Non-Profit Corporation
Cole Hardware Russian Hill	2254 Polk St., San Francisco, CA, 94109	San Francisco	San Francisco	0	0	0	0	0	0	0	0.0000031	Mercury Non-Profit Corporation
City Of Redding Solid Waste	2255 ABERNATHY LANE, REDDING, CA, 96003	REDDING	Shasta	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	22572 Shannon Circle, Lake Forest, CA, 92630	Lake Forest	Orange	0	0	0	0	0	0	0	0.0003317	Mercury Non-Profit Corporation
W.W. Grainger, Inc.	2261 Ringwood Ave., San Jose, CA, 95131	San Jose	Santa Clara	0	0	0	0	0	0	0	0.000062	Mercury Non-Profit Corporation
Izmirian Roofing & Sheet Metal	229 S Railraod Ave, San Mateo, CA, 94401	San Mateo	San Mateo	0	0	0	0	0	0	0	0.0000155	Mercury Non-Profit Corporation
Slakey Brothers	2301 Park Avenue, Chico, CA, 95927	Chico	Butte	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
Goodman Distribution	23021 Normandie Avenue, Torrance, CA, 90501	Torrance	Los Angeles	0	0	0	0	0	0	0	0.0000186	Mercury Non-Profit Corporation
Johnstone Supply Co	23211 DEL LAGO DRIVE, LAGUNA HILLS, CA, 92653	LAGUNA HILLS	Orange	0	0	0	0	0	0	0	0.0005952	Mercury Non-Profit Corporation

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Johnstone Supply Co	2331 COMMERCE AVE E, CONCORD, CA, 94520	CONCORD	Contra Costa	0	0	0	0	0	0	0	0.0002387	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	235 E. Avenue K-10, Lancaster, CA, 93535	Lancaster	Los Angeles	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Goodman Distribution	2425 auto park way, Escondido, CA, 92029	Escondido	San Diego	0	0	0	0	0	0	0	0.0000155	Mercury Non-Profit Corporation
American Refrigeration Supplies, Inc.	245 Sutton Place, Santa Rosa, CA, 95407	Santa Rosa	Sonoma	0	0	0	0	0	0	0	0.0000062	Mercury Non-Profit Corporation
Us Air Conditioning Distributors (USACD)	2455 Teepee Drive, Stockton, CA, 95205	Stockton	San Joaquin	0	0	0	0	0	0	0	0.0000713	Mercury Non-Profit Corporation
Delta Diablo HHW	2500 Pittsburg-Antioch, Antioch, CA, 94509	Antioch	Contra Costa	0	0	0	0	0	0	0	0.0000589	Mercury Non-Profit Corporation
Total Environmental Power Systems	2500 Visso Lane, Concord, CA, 94520	Concord	Contra Costa	0	0	0	0	0	0	0	0.0000279	Mercury Non-Profit Corporation
Johnstone Supply	25027 Anza Drive, Valencia, CA, 91355	Valencia	Los Angeles	0	0	0	0	0	0	0	0.0000744	Mercury Non-Profit Corporation
US Air Conditioning Distributors	25064 Anza Dr., Valencia, CA, 91355	Valencia	Los Angeles	0	0	0	0	0	0	0	0.0000248	Mercury Non-Profit Corporation
Lennox Stores	25217 Rye Canyon Road, Valencia, CA, 91355	Valencia	Los Angeles	0	0	0	0	0	0	0	0.0001116	Mercury Non-Profit Corporation
Us Air Conditioning Distributors (USACD)	2539 Teller Road, Newbury Park, CA, 91320	Newbury Park	Ventura	0	0	0	0	0	0	0	0.000093	Mercury Non-Profit Corporation
Refrigeration Supplies Distributor (RSD)	2551 Stanwell Drive, Concord, CA, 94520	Concord	Contra Costa	0	0	0	0	0	0	0	0.0006417	Mercury Non-Profit Corporation
RSD	26021 ATLANTIC OCEAN DRIVE, LAKE FOREST, CA, 92630	LAKE FOREST	Orange	0	0	0	0	0	0	0	0.0000775	Mercury Non-Profit Corporation
Coast Appliance Parts	2606 Lee Avenue, South El Monte, CA, 91733	South El Monte	Los Angeles	0	0	0	0	0	0	0	0.0000155	Mercury Non-Profit Corporation
Slakey Brothers	2608 Chanticleer Avenue, Santa Cruz, CA, 95065	Santa Cruz	Santa Cruz	0	0	0	0	0	0	0	0.0001178	Mercury Non-Profit Corporation
Westside Heating & Ac	2621 Pico Blvd Suite J, Santa Monica, CA, 90405	Santa Monica	Los Angeles	0	0	0	0	0	0	0	0.0000248	Mercury Non-Profit Corporation
United Refrigeration	2626 SOUTHPORT WAY, STE. G, NATIONAL CITY, CA, 91950	NATIONAL CITY	San Diego	0	0	0	0	0	0	0	0.0000279	Mercury Non-Profit Corporation



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Sigler Wholesale Distributors	2641 LINDSAY PRIVADO DRIVE, ONTARIO, CA, 91761	ONTARIO	San Bernardino	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
Ferguson	26470 Summit Circle, Santa Clarita, CA, 91350	Santa Clarita	Los Angeles	0	0	0	0	0	0	0	0.0000713	Mercury Non-Profit Corporation
USACD	2670 E. BYRD AVE, FRESNO, CA, 93706	FRESNO	Fresno	0	0	0	0	0	0	0	0.000155	Mercury Non-Profit Corporation
Air Cold Supply, A Ferguson Enterprise	26999 Industrial Blvd., Hayward, CA, 94545	Hayward	Alameda	0	0	0	0	0	0	0	0.0000248	Mercury Non-Profit Corporation
American Refrigeration Supplies, Inc.	2703 5th Street, Sacramento, CA, 95818	Sacramento	Sacramento	0	0	0	0	0	0	0	0.0000186	Mercury Non-Profit Corporation
City Of Highland	27215 BASE LINE STREET, HIGHLAND, CA, 92346	HIGHLAND	San Bernardino	0	0	0	0	0	0	0	0.0000062	Mercury Non-Profit Corporation
RSD	2745 Temple Avenue, Signal Hill, CA, 90755	Signal Hill	Los Angeles	0	0	0	0	0	0	0	0.0000806	Mercury Non-Profit Corporation
Us Air Conditioning Distributors (USACD)	2751 Temple Avenue, Signal Hill, CA, 90755	Signal Hill	Los Angeles	0	0	0	0	0	0	0	0.0002077	Mercury Non-Profit Corporation
Johnstone Supply	2790 E. Cherokee Road, Stockton, CA, 95205	Stockton	San Joaquin	0	0	0	0	0	0	0	0.0000434	Mercury Non-Profit Corporation
Johnstone	2810 Temple Avenue, Long Beach, CA, 90806	Long Beach	Los Angeles	0	0	0	0	0	0	0	0.0000558	Mercury Non-Profit Corporation
San Bernadino County HHW	2824 EAST W STREET, BLDG 302, San Bernardino, CA, 92408	San Bernardino	San Bernardino	0	0	0	0	0	0	0	0.0001488	Mercury Non-Profit Corporation
RSD	285 LAWRENCE AVENUE, SOUTH SAN FRANCISCO, CA, 94080	SOUTH SAN FRANCISCO	San Mateo	0	0	0	0	0	0	0	0.0001798	Mercury Non-Profit Corporation
RSD	2890 E CORONADO ST, ANAHEIM, CA, 92806	ANAHEIM	Orange	0	0	0	0	0	0	0	0.0001519	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	291 Harbor Way, South San Francisco, CA, 94080	South San Francisco	San Mateo	0	0	0	0	0	0	0	0.0001488	Mercury Non-Profit Corporation
R.E. Michel Company, Inc.	2921 Whipple Road, Union City, CA, 94587	Union City	Alameda	0	0	0	0	0	0	0	0.0000496	Mercury Non-Profit Corporation
Amber Air Conditioning	29885 2Nd Street Unit A & B, Lake Elsinore, CA, 92532	Lake Elsinore	Riverside	0	0	0	0	0	0	0	0.0000155	Mercury Non-Profit Corporation
Lennox Stores	299 Goddard Street, Irvine, CA, 92618	Irvine	Orange	0	0	0	0	0	0	0	0.0000155	Mercury Non-Profit Corporation

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Imperial Valley Resource Management Agency	300 S. Imperial Avenue, El Centro, CA, 92243	El Centro	Imperial	0	0	0	0	0	0	0	0.0000155	Mercury Non-Profit Corporation
Baker Distributing Co.	300 WEST ROBLES BLDG J., SANTA ROSA, CA, 95407	SANTA ROSA	Sonoma	0	0	0	0	0	0	0	0.0000465	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	301 9th Street, Modesto, CA, 95351	Modesto	Stanislaus	0	0	0	0	0	0	0	0.0001023	Mercury Non-Profit Corporation
United Refrigeration	3018 ALVARADO STREET, SAN LEANDRO, CA, 94577	SAN LEANDRO	Alameda	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Baker Distributing Co.	3020 SOUTH KILSON DRIVE, SANTA ANA, CA, 92707	SANTA ANA	Orange	0	0	0	0	0	0	0	0.0002387	Mercury Non-Profit Corporation
Harry Clark Plumbing	3026 Broadway, Oakland, CA, 94611	Oakland	Alameda	0	0	0	0	0	0	0	0.0000837	Mercury Non-Profit Corporation
Geary Pacific Supply	3026 N. Business Park, Fresno, CA, 93727	Fresno	Fresno	0	0	0	0	0	0	0	0.000031	Mercury Non-Profit Corporation
Us Air Conditioning Distributors, Inc. (USACD)	3035 Crossroads Drive, Redding, CA, 96003	Redding	Shasta	0	0	0	0	0	0	0	0.0000279	Mercury Non-Profit Corporation
RSD	30-571 Front Street, Thousand Palms, CA, 92276	Thousand Palms	Riverside	0	0	0	0	0	0	0	0.0000248	Mercury Non-Profit Corporation
Lennox	30575 HILL ST., THOUSAND PALMS, CA, 92276	THOUSAND PALMS	Riverside	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Ac Pro	3060 E. La Palma Avenue, Anaheim, CA, 92806	Anaheim	Orange	0	0	0	0	0	0	0	0.0002356	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	3062 E. Inland Empire Blvd, Ontario, CA, 91764	Ontario	San Bernardino	0	0	0	0	0	0	0	0.0002108	Mercury Non-Profit Corporation
W.W. Grainger, Inc.	310 E. Ball Rd, Anaheim, CA, 92805	Anaheim	Orange	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Johnstone Supply	31240 La Baya Drive, Westlake Village, CA, 91362	Westlake Village	Los Angeles	0	0	0	0	0	0	0	0.0000496	Mercury Non-Profit Corporation
R.E. Michel Company, Inc.	3130-2 Skyway Drive, Santa Maria, CA, 93455	Santa Maria	Santa Barbara	0	0	0	0	0	0	0	0.0001302	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	315 Cloverleaf Drive, Baldwin Park, CA, 91706	Baldwin Park	Los Angeles	0	0	0	0	0	0	0	0.0000496	Mercury Non-Profit Corporation
San Mateo County HHW Facility	32 TOWER ROAD, SAN MATEO, CA, 94402	SAN MATEO	San Mateo	0	0	0	0	0	0	0	0.0001581	Mercury Non-Profit Corporation

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
County Of San Diego HHW Collection Facility, Ramona	324 MAPLE STREET, RAMONA, CA, 92065	RAMONA	San Diego	0	0	0	0	0	0	0	0.0000527	Mercury Non-Profit Corporation
Coast Appliance Parts	3260 E. McKinley, Fresno, CA, 93703	Fresno	Fresno	0	0	0	0	0	0	0	0.0002728	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	3334 San Fernando Rd, Los Angeles, CA, 90065	Los Angeles	Los Angeles	0	0	0	0	0	0	0	0.0000713	Mercury Non-Profit Corporation
Refrigeration Supplies Distributor (RSD)	3355 McMaude Place, Santa Rosa, CA, 95407	Santa Rosa	Sonoma	0	0	0	0	0	0	0	0.000155	Mercury Non-Profit Corporation
Lennox Industries Inc.	3410 SAN FERNANDO ROAD, UNIT 5, LOS ANGELES, CA, 90065	LOS ANGELES	Los Angeles	0	0	0	0	0	0	0	0.0000992	Mercury Non-Profit Corporation
United Refrigeration D5	3421 N. San Fernando Road, Los Angeles, CA, 90065	Los Angeles	Los Angeles	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
Allied Refrigeration	34660 Date Palm Drive, Cathedral City, CA, 92234	Cathedral City	Riverside	0	0	0	0	0	0	0	0.0001116	Mercury Non-Profit Corporation
Ferguson Heating Cooling	3550 LA CRUZ WAY BRANCH 1893, PASO ROBLES, CA, 93446	PASO ROBLES	San Luis Obispo	0	0	0	0	0	0	0	0.0000279	Mercury Non-Profit Corporation
Ferguson Heating & Cooling	36283 Plaza Drive, Cathedral City, CA, 92234	Cathedral City	Riverside	0	0	0	0	0	0	0	0.0000341	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	3633 Lenawee Ave. Ste 180, Los Angeles, CA, 90016	Los Angeles	Los Angeles	0	0	0	0	0	0	0	0.000062	Mercury Non-Profit Corporation
Russell Sigler Inc.	3648 E INDUSTRY AVE, LAKEWOOD, CA, 90712	LAKEWOOD	Los Angeles	0	0	0	0	0	0	0	0.0003317	Mercury Non-Profit Corporation
Allied Refrigeration	3650 Holdrege Avenue, Los Angeles, CA, 90016	Los Angeles	Los Angeles	0	0	0	0	0	0	0	0.0002263	Mercury Non-Profit Corporation
Heating & Cooling LLC 823	3650 N. INDUSTRY Avenue, LAKEWOOD, CA, 90712	LAKEWOOD	Los Angeles	0	0	0	0	0	0	0	0.0000155	Mercury Non-Profit Corporation
Gutherie and Sons Heating, Air, Solar	3914 Hicock St., San Diego, CA, 92110	San Diego	San Diego	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	39-312 Leopard Street,, Palm Desert, CA, 92211	Palm Desert	Riverside	0	0	0	0	0	0	0	0.0002325	Mercury Non-Profit Corporation
Lennox Industries Inc.	4000 Hamner Avenue, Eastvale, CA, 91752	Eastvale	Riverside	0	0	0	0	0	0	0	0.0086831	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	4020 Nelson Ave., Concord, CA, 94520	Concord	Contra Costa	0	0	0	0	0	0	0	0.0001922	Mercury Non-Profit Corporation

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Allied Refrigeration	404 S. I Street, San Bernardino, CA, 92410	San Bernardino	San Bernardino	0	0	0	0	0	0	0	0.0001116	Mercury Non-Profit Corporation
Lennox Stores	4090 Pike Lane B, Concord, CA, 94520	Concord	Contra Costa	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation
City Of Fremont Phhwcf	41149 BOYCE ROAD, FREMONT, CA, 94538	FREMONT	Alameda	0	0	0	0	0	0	0	0.0000899	Mercury Non-Profit Corporation
Refrigeration Supplies Distributor (RSD)	4131 Latham Street, Riverside, CA, 92501	Riverside	Riverside	0	0	0	0	0	0	0	0.0000217	Mercury Non-Profit Corporation
United Refrigeration, Inc.	41573 Cherry Street, Murrieta, CA, 92562	Murrieta	Riverside	0	0	0	0	0	0	0	0.0002077	Mercury Non-Profit Corporation
Anthony's Heating And Air Conditioning Inc	41615 Date St Ste 107, Murrieta, CA, 92562	Murrieta	Riverside	0	0	0	0	0	0	0	0.0000651	Mercury Non-Profit Corporation
Johnstone Supply	42033 6th Street West, Lancaster, CA, 93534	Lancaster	Los Angeles	0	0	0	0	0	0	0	0.0000279	Mercury Non-Profit Corporation
Palm Desert Air Conditioning Co	42081 Beacon Hill, Palm Desert, CA, 92211	Palm Desert	Riverside	0	0	0	0	0	0	0	0.0000558	Mercury Non-Profit Corporation
Johnstone Supply	42655 Rio Nedo, Temecula, CA, 92590	Temecula	Riverside	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Air Cold Supply - A Ferguson Enterprise	429 MADERA ST., SAN GABRIEL, CA, 91776	SAN GABRIEL	Los Angeles	0	0	0	0	0	0	0	0.0004588	Mercury Non-Profit Corporation
R. E. Michel Co	43137 Business Park Drive, Temecula, CA, 92590	Temecula	Riverside	0	0	0	0	0	0	0	0.0000465	Mercury Non-Profit Corporation
Johnstone Supply Co	4320 PACIFIC HWY, SAN DIEGO, CA, 92110	SAN DIEGO	San Diego	0	0	0	0	0	0	0	0.0004154	Mercury Non-Profit Corporation
Slakey Brothers	4333 NORTH EFFIE STREET, FRESNO, CA, 93726	FRESNO	Fresno	0	0	0	0	0	0	0	0.000031	Mercury Non-Profit Corporation
Johnstone Supply 329	435 N. BURKE, VISALIA, CA, 93292	VISALIA	Tulare	0	0	0	0	0	0	0	0.0000465	Mercury Non-Profit Corporation
RSD	436 HESTER STREET, SAN LEANDRO, CA, 94577	SAN LEANDRO	Alameda	0	0	0	0	0	0	0	0.0003689	Mercury Non-Profit Corporation
Geary Pacific Supply	4365 Jetway Court, North Highlands, CA, 95660	North Highlands	Sacramento	0	0	0	0	0	0	0	0.0000682	Mercury Non-Profit Corporation
Trane Parts Center	4380 Warehouse Court, North Highlands, CA, 95660	North Highlands	Sacramento	0	0	0	0	0	0	0	0.0000496	Mercury Non-Profit Corporation

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Coast Appliance Parts	4408 Twain Avenue, San Diego, CA, 92120	San Diego	San Diego	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation
Yolo County Central Landfill	44090 COUNTY RD 28 H, WOODLAND, CA, 95776	WOODLAND	Yolo	0	0	0	0	0	0	0	0.0001333	Mercury Non-Profit Corporation
County Of Sacramento	4450 Roseville Road, North Highlands, CA, 95660	North Highlands	Sacramento	0	0	0	0	0	0	0	0.0002356	Mercury Non-Profit Corporation
Central Contra Costa Sanitary District	4797 Imhoff Place, Martinez, CA, 94553	Martinez	Contra Costa	0	0	0	0	0	0	0	0.000279	Mercury Non-Profit Corporation
Air One Air Conditioning Heating & Plumbing	491 Wildrose Ave., Colton, CA, 92324	Colton	San Bernardino	0	0	0	0	0	0	0	0.000031	Mercury Non-Profit Corporation
USACD	495 MARQUITA AVENUE, PASO ROBLES, CA, 93446	PASO ROBLES	San Luis Obispo	0	0	0	0	0	0	0	0.0000899	Mercury Non-Profit Corporation
Kern County Special Waste Facility	4951 STANDARD ST., BAKERSFIELD, CA, 93308	BAKERSFIELD	Kern	0	0	0	0	0	0	0	0.0001085	Mercury Non-Profit Corporation
Air Cold Supply - A Ferguson Enterprise	5005 Raley Blvd, Sacramento, CA, 95838	Sacramento	Sacramento	0	0	0	0	0	0	0	0.0004557	Mercury Non-Profit Corporation
R.E. Michel Co.	501 Riverside Ave, Paso Robles, CA, 93446	Paso Robles	San Luis Obispo	0	0	0	0	0	0	0	0.000093	Mercury Non-Profit Corporation
United Refrigeration, Inc.	510 E. Rancho Vista Blvd., Palmdale, CA, 93550	Palmdale	Los Angeles	0	0	0	0	0	0	0	0.0000186	Mercury Non-Profit Corporation
Western Nevada Supply	515 S. Main Street, Bishop, CA, 93514	Bishop	Inyo	0	0	0	0	0	0	0	0.000031	Mercury Non-Profit Corporation
City Of San Diego, HHW Transfer Facility	5161 CONVOY STREET, SAN DIEGO, CA, 92111	SAN DIEGO	San Diego	0	0	0	0	0	0	0	0.0001178	Mercury Non-Profit Corporation
Johnstone Supply	518 E BALL ROAD, ANAHEIM, CA, 92805	ANAHEIM	Orange	0	0	0	0	0	0	0	0.000279	Mercury Non-Profit Corporation
Johnstone Supply	520 E. Dyer Road, Santa Ana, CA, 92707	Santa Ana	Orange	0	0	0	0	0	0	0	0.0005766	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	525 PARK AVENUE SUITE A, SAN FERNANDO, CA, 91340	SAN FERNANDO	Los Angeles	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
RSD	527 BRUNKEN AVENUE, SALINAS, CA, 93901	SALINAS	Monterey	0	0	0	0	0	0	0	0.0000713	Mercury Non-Profit Corporation
Heating and Cooling LLC	5357 E. Home Avenue, Fresno, CA, 93727	Fresno	Fresno	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation

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R.E. Michel Company, Inc.	5370 Third Street, Irwindale, CA, 91706	Irwindale	Los Angeles	0	0	0	0	0	0	0	0.0020398	Mercury Non-Profit Corporation
Baker Distributing Company	5449 E. Lamona Avenue, Fresno, CA, 93727	Fresno	Fresno	0	0	0	0	0	0	0	0.0000806	Mercury Non-Profit Corporation
Slakey Brothers Yuba City	545 BOYD STREET, YUBA CITY, CA, 95991	YUBA CITY	Sutter	0	0	0	0	0	0	0	0.0000806	Mercury Non-Profit Corporation
Alameda County HHW	5584 La Ribera St., Livermore, CA, 94550	Livermore	Alameda	0	0	0	0	0	0	0	0.0001023	Mercury Non-Profit Corporation
Marin County Household Hazardous Waste Facility	565 JACOBY STREET, SAN RAFAEL, CA, 94901	SAN RAFAEL	Marin	0	0	0	0	0	0	0	0.0002511	Mercury Non-Profit Corporation
Johnstone Supply Co	5658 E. CLINTON AVE., FRESNO, CA, 93727	FRESNO	Fresno	0	0	0	0	0	0	0	0.000062	Mercury Non-Profit Corporation
Johnstone Supply San Bernardino	584 Inland Center Drive, SAN BERNARDINO, CA, 92408	SAN BERNARDINO	San Bernardino	0	0	0	0	0	0	0	0.0000372	Mercury Non-Profit Corporation
AC Pro	591 S. Walnut St., La Habra, CA, 90631	La Habra	Orange	0	0	0	0	0	0	0	0.0000837	Mercury Non-Profit Corporation
Johnstone-Ventura	5960 VALENTINE ROAD 3, VENTURA, CA, 93003	VENTURA	Ventura	0	0	0	0	0	0	0	0.0000775	Mercury Non-Profit Corporation
Buckley Parnell Heat & Air	5990 DEVECCHI AVE, CITRUS HEIGHTS, CA, 95621	CITRUS HEIGHTS	Sacramento	0	0	0	0	0	0	0	0.0000465	Mercury Non-Profit Corporation
Ferguson Heating Cooling	605 E. Cerritos Avenue, Anaheim, CA, 92805	Anaheim	Orange	0	0	0	0	0	0	0	0.0002418	Mercury Non-Profit Corporation
Burgesons Heating & Ac	620 TENNESSEE ST, Redlands, CA, 92374	Redlands	San Bernardino	0	0	0	0	0	0	0	0.0003162	Mercury Non-Profit Corporation
RSD	6391 ORANGETHORPE AVENUE, BUENA PARK, CA, 90620	BUENA PARK	Orange	0	0	0	0	0	0	0	0.0001271	Mercury Non-Profit Corporation
Geary Pacific Supply	6421 Box Springs Blvd, Riverside, CA, 92507	Riverside	Riverside	0	0	0	0	0	0	0	0.0054529	Mercury Non-Profit Corporation
Ace Hardware	663 W Channel Islands Blvd, Port Hueneme, CA, 93041	Port Hueneme	Ventura	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Air Cold Supply, A Ferguson Enterprise	6780 Sierra Ct., Dublin, CA, 94568	Dublin	Alameda	0	0	0	0	0	0	0	0.0000372	Mercury Non-Profit Corporation
Air Cold Supply - A Ferguson Enterprise	68 Belvedere St., San Rafael, CA, 94901	San Rafael	Marin	0	0	0	0	0	0	0	0.0002821	Mercury Non-Profit Corporation

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
RSD	680 UNION AVE, POMONA, CA, 91768	POMONA	Los Angeles	0	0	0	0	0	0	0	0.0000837	Mercury Non-Profit Corporation
Reliable Energy Management Inc.	6829 Walthall Way, Paramount, CA, 90723	Paramount	Los Angeles	0	0	0	0	0	0	0	0.000279	Mercury Non-Profit Corporation
Heating & Cooling Supply, LLC	685 N. Poplar Street, Orange, CA, 92868	Orange	Orange	0	0	0	0	0	0	0	0.0000868	Mercury Non-Profit Corporation
Us Air Conditioning Distributors (USACD)	68-713 Perez Road, Cathedral City, CA, 92234	Cathedral City	Riverside	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	701 Adell Street, San Bernardino, CA, 92410	San Bernardino	San Bernardino	0	0	0	0	0	0	0	0.0000651	Mercury Non-Profit Corporation
Allied Refrigeration	702 E. Gish Road, San Jose, CA, 95112	San Jose	Santa Clara	0	0	0	0	0	0	0	0.0001984	Mercury Non-Profit Corporation
Refrigeration Supplies Distributor (RSD)	702 W. 190th Street, Gardena, CA, 90248	Gardena	Los Angeles	0	0	0	0	0	0	0	0.0007967	Mercury Non-Profit Corporation
John Burger Heating Air	710 Cooper Ave, Yuba City, CA, 95991	Yuba City	Sutter	0	0	0	0	0	0	0	0.0000496	Mercury Non-Profit Corporation
Air Cold Supply - A Ferguson Enterprise	7175 Chestnut St., Gilroy, CA, 95020	Gilroy	Santa Clara	0	0	0	0	0	0	0	0.0000465	Mercury Non-Profit Corporation
Bayside Heating Air Conditioning	720 S Amphlett Blvd, San Mateo, CA, 94402	San Mateo	San Mateo	0	0	0	0	0	0	0	0.0001333	Mercury Non-Profit Corporation
Wholesale Solutions	720 Sixth Street, Napa, CA, 94559	Napa	Napa	0	0	0	0	0	0	0	0.0001922	Mercury Non-Profit Corporation
R.E. Michel Co, Inc	72-110 Corporate Way, Thousand Palms, CA, 92276	Thousand Palms	Riverside	0	0	0	0	0	0	0	0.0001395	Mercury Non-Profit Corporation
Progress Hardware	724 Irving St., San Francisco, CA, 94122	San Francisco	San Francisco	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation
RSD	7332 CONVOY COURT, STE A, SAN DIEGO, CA, 92111	SAN DIEGO	San Diego	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Johnstone-Santa Barbara	740 Cacique Street, SANTA BARBARA, CA, 93103	SANTA BARBARA	Santa Barbara	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation
American Refrigeration Supplies, Inc.	740 E. Hazelton Avenue, Stockton, CA, 95203	Stockton	San Joaquin	0	0	0	0	0	0	0	0.0000806	Mercury Non-Profit Corporation
Hirsch Pipe & Supply Co., Inc.	7521 Garden Grove Blvd, Garden Grove, CA, 92841	Garden Grove	Orange	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Ac Pro	75220 Merle Drive, Palm Desert, CA, 92211	Palm Desert	Riverside	0	0	0	0	0	0	0	0.000031	Mercury Non-Profit Corporation
Ac Pro	7606 Garden Grove Blvd, Westminster, CA, 92683	Westminster	Orange	0	0	0	0	0	0	0	0.0002914	Mercury Non-Profit Corporation
Johnstone Supply	77524 El Duna Court, Palm Desert, CA, 92211	Palm Desert	Riverside	0	0	0	0	0	0	0	0	Mercury Non-Profit Corporation
San Joaquin County HHW Facility	7850 R.A. BRIDGEFORD STREET, STOCKTON, CA, 95206	STOCKTON	San Joaquin	0	0	0	0	0	0	0	0.000186	Mercury Non-Profit Corporation
Allied Refrigeration	7865 Ostrow Street, San Diego, CA, 92111	San Diego	San Diego	0	0	0	0	0	0	0	0.0000465	Mercury Non-Profit Corporation
American Refrigeration Supplies, Inc.	7874 Ronson Road, San Diego, CA, 92111	San Diego	San Diego	0	0	0	0	0	0	0	0.0000248	Mercury Non-Profit Corporation
McClelland Air Conditioning	801 MARAUDER STREET, CHICO, CA, 95973	CHICO	Butte	0	0	0	0	0	0	0	0.0001457	Mercury Non-Profit Corporation
Russell Sigler Inc.	804-A RANCHEROS DRIVE, San Marcos, CA, 92069	San Marcos	San Diego	0	0	0	0	0	0	0	0.0000682	Mercury Non-Profit Corporation
Smardan-Hatcher Co.	810 E Mason St., Santa Barbara, CA, 93101	Santa Barbara	Santa Barbara	0	0	0	0	0	0	0	0.0000062	Mercury Non-Profit Corporation
City Of Sacramento Phhwcf	8491 FRUITRIDGE ROAD, SACRAMENTO, CA, 95826	SACRAMENTO	Sacramento	0	0	0	0	0	0	0	0.0000806	Mercury Non-Profit Corporation
Thrifty Supply	8541 23RD AVE, SACRAMENTO, CA, 95826	SACRAMENTO	Sacramento	0	0	0	0	0	0	0	0.0000062	Mercury Non-Profit Corporation
Johnstone Supply	8639 Tamarack Avenue, Sun Valley, CA, 91352	Sun Valley	Los Angeles	0	0	0	0	0	0	0	0.0004247	Mercury Non-Profit Corporation
Goodman Distribution, Inc.	866 E. Ross Road, El Centro, CA, 92243	El Centro	Imperial	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
Geary Pacific Supply	8711 Airport Road, Redding, CA, 96002	Redding	Shasta	0	0	0	0	0	0	0	0.0001085	Mercury Non-Profit Corporation
United Refrigeration, Inc.	8841 Clairemont Mesa Blvd, San Diego, CA, 92123	San Diego	San Diego	0	0	0	0	0	0	0	0.0000558	Mercury Non-Profit Corporation
Howard Industries	8855 WASHINGTON BLVD, CULVER CITY, CA, 90232	CULVER CITY	Los Angeles	0	0	0	0	0	0	0	0.0001736	Mercury Non-Profit Corporation
Cfm Equipment Distr., Inc.	890 Service Street, San Jose, CA, 95112	San Jose	Santa Clara	0	0	0	0	0	0	0	0	Mercury Non-Profit Corporation



Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Fix Air	890 Service Street, San Jose, CA, 95112	San Jose	Santa Clara	0	0	0	0	0	0	0	0.0000093	Mercury Non-Profit Corporation
Baker Distributing Company	899 Industry Way, El Centro, CA, 92243	El Centro	Imperial	0	0	0	0	0	0	0	0.0016523	Mercury Non-Profit Corporation
Johnstone Supply	900 S. Andreasen Drive, Escondido, CA, 92029	Escondido	San Diego	0	0	0	0	0	0	0	0.0002604	Mercury Non-Profit Corporation
American Refrigeration Supplies, Inc.	910 Justin Avenue, Glendale, CA, 91201	Glendale	Los Angeles	0	0	0	0	0	0	0	0.0000403	Mercury Non-Profit Corporation
Johnstone-Commerce	9143 Perkins Street, Pico Rivera, CA, 90660	Pico Rivera	Los Angeles	0	0	0	0	0	0	0	0.0000062	Mercury Non-Profit Corporation
Refrigeration Supplies Distributor (RSD)	915 Industrial Avenue, Redding, CA, 96002	Redding	Shasta	0	0	0	0	0	0	0	0.000031	Mercury Non-Profit Corporation
Allied Refrigeration	917 Mc Garry St., Los Angeles, CA, 90021	Los Angeles	Los Angeles	0	0	0	0	0	0	0	0.0001271	Mercury Non-Profit Corporation
Ac Pro	9216 Eton Ave, Chatsworth, CA, 91311	Chatsworth	Los Angeles	0	0	0	0	0	0	0	0.0005859	Mercury Non-Profit Corporation
W.W. Grainger, Inc.	9220 Hyssop Dr., Cucamonga, CA, 91730	Cucamonga	San Bernardino	0	0	0	0	0	0	0	0.0000124	Mercury Non-Profit Corporation
Us Air Conditioning Distributors (USACD)	9250 OWENSMOUTH AVENUE, CHATSWORTH, CA, 91311	CHATSWORTH	Los Angeles	0	0	0	0	0	0	0	0.000124	Mercury Non-Profit Corporation
Special Waste Collection Center	9255 Disposal Lane, Elk Grove, CA, 95624	Elk Grove	Sacramento	0	0	0	0	0	0	0	0.000062	Mercury Non-Profit Corporation
United Refrigeration	933 WASHINGTON STREET, SAN CARLOS, CA, 94070	SAN CARLOS	San Mateo	0	0	0	0	0	0	0	0.0002325	Mercury Non-Profit Corporation
Johnstone Supply	940 Wall Street, Redding, CA, 96002	Redding	Shasta	0	0	0	0	0	0	0	0.0003255	Mercury Non-Profit Corporation
Ferguson Heating Cooling	9401 Oso Avenue, Chatsworth, CA, 91311	Chatsworth	Los Angeles	0	0	0	0	0	0	0	0.0000713	Mercury Non-Profit Corporation
Ac Pro	9409 Charles Smith Ave., Rancho Cucamonga, CA, 91730	Rancho Cucamonga	San Bernardino	0	0	0	0	0	0	0	0.0000682	Mercury Non-Profit Corporation
Synergy Companies	9630 Black Mountain Rd, San Diego, CA, 92126	San Diego	San Diego	0	0	0	0	0	0	0	0.0002356	Mercury Non-Profit Corporation
U.S. Air Conditioning Distributors (USACD)	9836 Alburdis Ave., Santa Fe Springs, CA, 90670	Santa Fe Springs	Los Angeles	0	0	0	0	0	0	0	0.0005208	Mercury Non-Profit Corporation

Handler Name	Handler Address	Handler City	Handler County	ED Count Handled	ED Tons Handled	CRTD Tons Handled	CRT Tons Handled	CRTG Tons Handled	PV Module Count Handled	PV Module Tons Handled	Mercury Tons Handled	Data Source
Electronics Recyclers International	2966 E. Victoria St, Compton, CA, 90221-5615	Compton	Los Angeles	0	50	1.3195	0	0	0	0	0	UWED
Willits Solid Waste	350 Franklin Avenue, Willits, CA, 95490-5108	Willits	Mendocino	0	20	20	0	0	0	0	0	UWED

Note: This table shows the handlers of universal waste and includes data from multiple sources. At least one of the original datasets had errors. While attempts to fix these errors were made, errors may persist. Figures above 10 are rounded to the nearest 10. Mercury amounts are not rounded.

Table 4.1-2: List of Universal Waste Handlers That Are Also Destinations, 2021

Handler/Destination Name	Handler/Destination Address	Handler/Destination City	Handler/Destination County	Handler/Destination State	ED Count Handled	ED Count Received	ED Tons Handled	ED Tons Received	Tons CRT Devices Handled	Tons CRT Devices Received	Tons CRT Handled	Tons CRT Received	Tons CRT Glass Handled	Tons CRT Glass Received	Unspecified UW Handled	Unspecified UW Received	Count PV Modules Handled	Count PV Modules Received	Tons PV Modules Handled	Tons PV Modules Received	Data Source
FRG Waste Resources, Inc.	100 Dodd Court	American Canyon	Napa	CA	0	0	140	20	1,281	0	0	0.001	0	0	0	0	0	0	0	0	UWED
SFGoodwill	100 Utah Avenue	South San Francisco	San Mateo	CA	0	0	100	680	6,7375	8,624	0	0	0	0	0	0	0	0	0	0	UWED
California Electronic Asset Recovery	10203 Missile Way	Mather	Sacramento	CA	0	0	1240	210	1290	680	740	0	0	0	0	0	0	0	0	0	UWED
Clean Harbors San Jose	1021 Berryessa Road	San Jose	Santa Clara	CA	0	0	240	120	10	1,475	0	2,6575	0	0.625	0	0.078	0	0	0	0	UWED
Community Services	10443 West Legacy Avenue	Visalia	Tulare	CA	0	0	130	120	120	110	0	0	0	0	0	0	0	0	0	0	UWED
D.A.V. Industries, Inc.	1049 Elkeltan Blvd	Spring Valley	San Diego	CA	0	0	150	20	70	0	0	0	0	0	0	0	0	0	0	0	UWED
USA Waste of California-El Sobrante Landfill	10910 Dawson Canyon Rd	Corona	Riverside	CA	0	0	50	0	50	0	0	0	0	2540	0	0	0	0	0	0	UWED
Bishop-Sunland Landfill	110 Sunland Reservation Road	Bishop	Inyo	CA	0	0	30	20	20	8,198	0	0	0	0	0	0	0	0	0	0	UWED
Palm Spring PHHWCF	1100 Vella Rd	Palm Springs	Riverside	CA	0	0	20	0.06	2,275	0	0	0	0	0	0	0	0	0	0	0	UWED
Veolia ES Technical Solutions	1125 Hensley St	Richmond	Contra Costa	CA	0	0	50	2.32	0.19	0	0	0	0	0	0	0	0	0	0	0	UWED
Looptech Electronics	11625 Industry Ave	Fontana	San Bernardino	CA	0	0	1,4495	140	0.8645	0	0	0	0	0	20	0	0	0	0	0	UWED
PSC 21st Century Environmental Service	11855 White Rock Rd	Rancho Cordova	Sacramento	CA	0	0	760	100	60	0	0	0	0	0	0	0	0	0	0	0	UWED
SA Recycling	12301 Valley Blvd	El Monte	Los Angeles	CA	0	0	0.5425	30	0	0	0	0	0	0	0	0	0	0	0	0	UWED
SA Recycling, PCR-Fairway Salvage Division	12428 Center St	South Gate	Los Angeles	CA	0	0	0.627	0	0	0	0	0	0	0	60	0	0	0	0	0	UWED
Goodwill Industries of San Joaquin	129 S. Grant Street	Stockton	San Joaquin	CA	0	0	40	40	40	40	0	0	0	0	0	0	0	0	0	0	UWED
Goodwill Warehouse	130 Lombard St	Oxnard	Ventura	CA	0	0	70	70	10	10	0	0	0	0	0	0	0	0	0	0	UWED
Mt Diablo Resource Recovery Park	1300 Loveridge Rd	Pittsburg	Contra Costa	CA	0	180	40	0	10	0	0	0	0	0	0	0	0	0	0	0	UWED
Pleasant Paper Recycling	1313 Galaxy Way	Concord	Contra Costa	CA	0	0	20	20	10	10	0	0	0	0	0	0	0	0	0	0	UWED
Kinsbursky Brothers, Inc.	1314 N Anaheim Blvd	Anaheim	Orange	CA	0	0	2,368	0.1485	0	0	0	0	0	0	0.596	0	0	0	0	0	UWED
The Salvation Army ARP	13404 Browns Valley Dr.	Chico	Butte	CA	0	0	2,161	0.648	7,759	2,3275	0	0	0	0	0	0	0	0	0	0	UWED
EcoSpot Recycling Inc	13800 Van Ness Ave	Gardena	Los Angeles	CA	0	0	3410	2890	880	650	0	60	0	0	0	0	0	0	0	0	UWED
IQA Metal	13825 Norton Ave	Chino	San Bernardino	CA	0	0	7520	1910	0	360	0	0	0	0	3,9425	0	0	0	0	0	UWED
Attan Recycling Corp	13941 Norton Ave	Chino	San Bernardino	CA	0	0	950	2050	640	500	800	110	0	0	0	0	0	0	0	0	UWED
EDM Recycling Inc.	13975 Monte Vista Ave	Chino	San Bernardino	CA	0	0	1930	570	1,5165	0	0	0	0	0	0	0	0	0	0	0	UWED
Goodwill Industries of Ventura	1401 N. Rice Ave	Oxnard	Ventura	CA	0	0	110	110	20	20	0	0	0	0	0	0	0	0	0	0	UWED
MACSUN LLC	14126 Orange Avenue	Paramount	Los Angeles	CA	0	0	70	0	20	0	0	0	0	0	0	0	0	0	0	0	UWED
Modesto Junk	1425 9th Street	Modesto	Stanislaus	CA	0	0	40	0	50	0	0	0	0	0	9,089	0	0	0	0	0	UWED
Mate Enterprises DBA Secure E-Waste Destruction	1438 West 15th Street	Long Beach	Los Angeles	CA	0	0	320	20	110	10	0	0	0	0	0	0	0	0	0	0	UWED
Communications Test Design, Inc.	14597 Baseline Avenue	Fontana	San Bernardino	CA	0	0	1600	230	0	0	0	0	0	0	0	0	0	0	0	0	UWED
Environmental & Chemical Consulting, Inc.	1500 Crafton Ave.	Mentone	San Bernardino	CA	0	0	30	0.7025	1,325	0	0	0	0	0	0	0	0	0	0	0	UWED
Silicon Salvage	1500 N. Dale Ave.	Anaheim	Orange	CA	0	0	360	40	6,792	0	0	0	0	0	0	0	0	0	0	0	UWED
The Salvation Army ARC San Francisco	1500 Valencia St	San Francisco	San Francisco	CA	0	0	20	9,129	4,0865	1,635	0	0	0	0	0	0	0	0	0	0	UWED
Greenland Resource	15044 La Palma Dr	Chino	San Bernardino	CA	0	0	390	1770	0	1,5645	0	0	0	0	9,4805	0	0	0	0	0	UWED
Cal Micro Recycling	1515 W. Holt Blvd	Ontario	San Bernardino	CA	0	0	2360	2360	0	0	0	0	0	0	0	0	0	0	0	0	UWED
San Jose Conservation Corps	1534 Berger Drive	San Jose	Santa Clara	CA	0	0	180	7,5365	20	0.5	0	0	0	0	0	0	0	0	0	0	UWED

Handler/Destination Name	Handler/Destination Address	Handler/Destination City	Handler/Destination County	Handler/Destination State	ED Count Handled	ED Count Received	ED Tons Handled	ED Tons Received	Tons CRT Devices Handled	Tons CRT Devices Received	Tons CRT Handled	Tons CRT Received	Tons CRT Glass Handled	Tons CRT Glass Received	Unspecified UW Handled	Unspecified UW Received	Count PV Modules Handled	Count PV Modules Received	Tons PV Modules Handled	Tons PV Modules Received	Data Source
Cal Micro Recycling	1541 Brooks St	Ontario	San Bernardino	CA	0	0	5310	4420	2360	1960	0	140	0	0	0	30	0	0	0	0	UWED
SA Recycling	1545 Gage Rd	Montebello	Los Angeles	CA	0	0	3.139	110	0	0	0	0	0	0	0	0	0	0	0	0	UWED
SA Recycling	15615 Arrow Blvd	Fontana	San Bernardino	CA	0	0	3.3605	0	0	0	0	0	0	0	0	0	0	0	0	0	UWED
US Electronics Recycling	15946 Downey Ave	Paramount	Los Angeles	CA	0	0	5	20	0	0.02	0	0	0	0	0	0	0	0	0	0	UWED
Riverside County Waste Management, Department, Lamb Canyon landfill	16411 LAMB CANYON ROAD	Beaumont	Riverside	CA	31400	120	0	60	110	10	0	0	0	0	0	0	0	0	0	0	UWED
Green eWaste Recycling Center	1664 Watson Court	Milpitas	Santa Clara	CA	0	0	320	0	30	0	0	0	0	0	0	0.58	0	0	0	0	UWED
The Salvation Army, Santa Monica	1665 10th St.	Santa Monica	Los Angeles	CA	0	0	8.2215	5.479	3.532	2.35	0	0	0	0	0	0	0	0	0	0	UWED
Gold N'West Surplus/Monitor and CRT Recyclers of California	1691 N Delliah St	Corona	Riverside	CA	0	0	4990	3180	2280	830	0	100	0	0	0	0	0	0	0	0	UWED
Veolia Environmental Services	1704 W 1st St	Inwisdale	Los Angeles	CA	0	0	80	0.35	1.936	0	0	0	0	0	0	0	0	0	0	0	UWED
Trinity County Solid Waste/Weaverville Transfer Station	173 Tom Bell Road	Weaverville	Trinity	CA	2710	2040	0	0	5.15	5.15	0	0	0	0	0	0	0	0	0	0	UWED
AERC Recycling Solutions, a Clean Earth Company	1733 Morgan Road	Modesto	Stanislaus	CA	0	0	1650	790	80	60	0	0	0	0	0	0	0	0	0	0	UWED
Arion Global Inc.	1734 Tyler Ave	South El Monte	Los Angeles	CA	0	0	300	20	110	2.6925	0	0	0	0	0	0	0	0	0	0	UWED
Clean Harbors Environmental Services, Inc.	1737 E Denni St	Wilmington	Los Angeles	CA	0	0	380	90	20	0.3375	0	1.2325	0	0	0	0	0	0	0	0	UWED
Snowline Hospice RAP Center	180 INDUSTRIAL DR	PLACERVILLE	El Dorado	CA	0	0	100	30	9.9365	7.4145	0	0	0	0	0	0	0	0	0	0	UWED
California Recycles Inc.	18351 Eddy St.	Northridge	Los Angeles	CA	0	0	80	20	10	10	0	0	0	0	0	0	0	0	0	0	UWED
Orange County Conservation Corps	1853 N Raymond Ave.	Anaheim	Orange	CA	0	100	50	0	20	0	0	0	0	0	0	0	0	0	0	0	UWED
TechWaste Recycling	1940 (E.) Occidental Street	Santa Ana	Orange	CA	0	810	870	10	30	0	0	0	0	0	0	0	0	0	0	0	UWED
Fortune Metals	19421 Quinn Rd	Bakersfield	Kern	CA	0	0	20	260	0	0	0	0	0	0	0	0	0	0	0	0	UWED
AHG Recycling	1968 Alpine Way	Hayward	Alameda	CA	0	0	220	30	0	0	80	0	0	0	0	0	0	0	0	0	UWED
Tri-Valley Recycling	1988 East Alpine Ave	Stockton	San Joaquin	CA	0	0	1850	320	190	50	0	20	0	0	0	0	0	0	0	0	UWED
Salvation Army	200 19th Street	Bakersfield	Kern	CA	0	0	6.8755	2.9455	9.697	5.236	0	5.236	0	0	0	0	0	0	0	0	UWED
FC Management DBA PC Recycle	2001 ANCHOR CT.	Newbury Park	Ventura	CA	0	0	1160	1070	600	460	0	20	0	0	0	0	0	0	0	0	UWED
Greater Valley Conservation Corps	2040 E. Fremont	Stockton	San Joaquin	CA	0	0	90	10	40	20	40	20	0	0	0	0	0	0	0	0	UWED
The Salvation Army Arc Canoga Park	21375 Roscoe Blvd	Canoga Park	Los Angeles	CA	0	0	90	60	20	10	0	0	0	0	0	0	0	0	0	0	UWED
My eWaste Drop Off	21462 Harvill Ave	Perris	Riverside	CA	0	0	770	310	360	30	0	0	0	0	0	0	0	0	0	0	UWED
Yolo Employment Services, Inc.	220 Harter Avenue	Woodland	Yolo	CA	0	0	9.569	4.7955	0.9435	0.7175	0.0005	0.0005	0	0	0	0	0	0	0	0	UWED
Alianza Recycling and Recovery, LLC	2301 Gibson Street	Bakersfield	Kern	CA	0	0	1230	820	620	330	0	0	0	0	0	0	0	0	0	0	UWED
Onsite Electronics Recycling	2331 N. Teepee Drive	Stockton	San Joaquin	CA	0	1120	2830	1810	1380	760	0	0	0	0	0	0	0	0	0	0	UWED
Vista Global Networks	24100 Frampton Street	Harbor City	Los Angeles	CA	0	0	2.257	60	0.3645	0.02	0	0	0	0	0	0	0	0	0	0	UWED
The Salvation Army ARC Riverside	24201 Orange Ave	Perris	Riverside	CA	0	0	90	90	30	30	0	0	0	0	0	0	0	0	0	0	UWED
PSC Environmental Services	2490 Pomona Boulevard	Pomona	Los Angeles	CA	0	0	940	170	0.5157	0	0	0	0	0	0	0	0	0	0	0	UWED
Delta Household Hazardous Waste Collection Facility	2550 Pittsburg-Antioch Hwy	Pittsburg	Contra Costa	CA	0	0	140	2	30	3.1	0	0	0	0	0	0	0	0	0	0	UWED
Humboldt Sanitation & Recycling	2585 Central Ave.	McKinleyville	Humboldt	CA	0	0	30	2.9665	0	0	10	0	0	0	0	0	0	0	0	0	UWED
Rica Commercial Inc.	27105 Industrial Blvd.	Hayward	Alameda	CA	0	0	510	40	20	0	0	0.125	0	0	0	0	0	0	0	0	UWED

Handler/Destination Name	Handler/Destination Address	Handler/Destination City	Handler/Destination County	Handler/Destination State	ED Count Handled	ED Count Received	ED Tons Handled	ED Tons Received	Tons CRT Devices Handled	Tons CRT Devices Received	Tons CRT Handled	Tons CRT Received	Tons CRT Glass Handled	Tons CRT Glass Received	Unspecified UW Handled	Unspecified UW Received	Count PV Modules Handled	Count PV Modules Received	Tons PV Modules Handled	Tons PV Modules Received	Data Source
Levi's/Schnitzer Iron and Metal	2727 S. Chestnut Ave.	Fresno	Fresno	CA	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	UWED
Electronic Recyclers International, Inc.	2860 S East Ave	Fresno	Fresno	CA	0	0	7110	30	380	10	0	0	0	0	0	0	0	0	0	0	UWED
GLS Group, Inc	311 W Emporia	Ontario	San Bernardino	CA	0	0	0	0	0	0	4880	3120	0	1610	0	0	0	0	0	0	UWED
Riverside County Waste Management - Badlands Landfill	31125 Ironwood Avenue	Moreno Valley	Riverside	CA	7280	0	0	30	40	6.5	0	0	0	0	0	0	0	0	0	0	UWED
Urban Corps of San Diego County	3127 Jefferson St	San Diego	San Diego	CA	0	0	280	40	20	3.9175	0	0	0	0	0	0	0	0	0	0	UWED
e-Recycling of California	31702 Hayman Street	Hayward	Alameda	CA	0	30	4540	2880	1160	550	0	100	0	0	0	0	0	0	0	0	UWED
Electronic Recyclers International, Inc.	3243 S East Ave Ste 104	Fresno	Fresno	CA	0	0	2450	70	2.375	0	0	0	0	0	0	0	0	0	0	0	UWED
Electronic Recyclers International, Inc.	3243 S East Ave Ste 108	Fresno	Fresno	CA	0	1120	15590	6190	1980	1320	0	90	0	1.15	0	0	0	0	0	0	UWED, PV Modules Report
Corporate Ewaste Solutions	331-333 Cliffwood Park St.	Brea	Orange	CA	0	910	9690	4810	2160	1550	0	110	0	0.468	0	0	0	0	0	0	UWED
A.S.I Cyber Concepts, Recycle1234	33548 Central Avenue	Union City	Alameda	CA	0	0	1420	340	440	50	0	0.6875	0	0	0	0.034	0	0	0	0	UWED
AMVETS Consolidation Point	3441 Sutherland St	San Diego	San Diego	CA	0	0	60	8.275	2.9775	1.023	0	0	0	0	0	0	0	0	0	0	UWED
Omega Recycling	3449 Enterprise Ave	Hayward	Alameda	CA	0	0	380	40	520	30	0	0	0	0	0	0	0	0	0	0	UWED
SMR Asset Recovery	350 Hanson Way	Woodland	Yolo	CA	0	0	2340	1000	1.5645	0	0	0	0	0	0	0	0	0	0	0	UWED
Chemical Waste Management, Kettleman Hills Facility	35251 Old Skyline Rd.	Kettleman City	Kings	CA	0	0	0.8245	0	0	0	0.0145	0	0	1060	0	0	0	0	0	0	UWED
Corporate Ewaste Solutions	3602 Munster St.	Hayward	Alameda	CA	0	0	2580	80	210	40	0	20	0	0	0	0	0	0	0	0	UWED
California Electronic Asset Recovery	3678 Lemay St	Mather	Sacramento	CA	0	4780	2800	1960	30	920	0	0	0	0	0	3.4545	0	80	0.405	0	UWED, PV Modules Report
ADS Gold Inc	3843 E Eagle Dr.	Anaheim	Orange	CA	0	0	70	6.96	1.554	0	0	0	0	0	0	0	0	0	0	0	UWED
Goodwill of Orange County	410 N Fairview St	Santa Ana	Orange	CA	0	0	560	580	90	100	0	0	0	0	0	0	0	0	0	0	UWED
AMVETS Consolidation Point	4125 E. Shields St.	Fresno	Fresno	CA	0	0	3.6875	3.4085	0.105	0.365	0	0	0	0	0	0	0	0	0	0	UWED
Salvation Army	4130 Ming Ave.	Bakersfield	Kern	CA	0	0	5.4545	1.3635	9.697	2.424	9.6965	2.424	0	0	0	0	0	0	0	0	UWED
Sonoma County Transfer Station	4376 Stage Gulch Road	Sonoma	Sonoma	CA	0	0	450	380	130	110	0	0	0	0	0	0	0	0	0	0	UWED
Renew Computers	446 Du Bois St.	San Rafael	Marin	CA	0	0	390	80	50	20	0	0	0	0	0	0	0	0	0	0	UWED
Staples	450 S Cactus Ave	Rialto	San Bernardino	CA	0	0	710	380	30	10	0	0	0	0	0	0	0	0	0	0	UWED
Desert Arc	45875 Commerce St.	Indio	Riverside	CA	0	0	60	0.0675	90	0	0	0	0	0	0	0	0	0	0	0	UWED
Charter Communications	4781 Irwindale Ave	Irwindale	Los Angeles	CA	0	0	30	6.559	0	0	0	0	0	0	0	0	0	0	0	0	UWED
Evergreen IT Solutions	47825 Warm Springs Blvd	Fremont	Alameda	CA	0	0	190	20	10	4.843	0	0	0	0	0	0	0	0	0	0	UWED
Goodwill Industries of South Central California	4901 Stine Rd.	Bakersfield	Kern	CA	0	0	300	260	40	30	0	0	0	0	0	0	0	0	0	0	UWED
Gone for Good	5100 Fulton Drive	Fairfield	Solano	CA	0	0	70	9.4315	2.551	1.9995	0	0	0	0	0	0	0	0	0	0	UWED
Allan Co	5165 Convoy Street	San Diego	San Diego	CA	0	0	70	0.688	120	20	0	0	0	0	0	0	0	0	0	0	UWED
Gold Coast Recycling	5275 Colt Street	Ventura	Ventura	CA	0	0	120	2	60	0	0	0	0	0	0	0	0	0	0	0	UWED
Mariposa County Landfill	5593 State Highway 49 N.	Mariposa	Mariposa	CA	0	0	20	0.2865	20	0.336	0	0	0	0	0	0	0	0	0	0	UWED
Goodwill Industries of SJV	5741 E. Central Ave.	Fresno	Fresno	CA	0	0	40	40	30	20	0	0	0	0	0	0	0	0	0	0	UWED
Salvation Army ARC - Oakland	601 Webster Street	Oakland	Alameda	CA	0	0	10	4.82	6.755	0.995	0	0	0	0	0	0	0	0	0	0	UWED
Alameda County Industries	601 Aladdin Ave	San Leandro	Alameda	CA	0	0	90	9.135	20	1.9085	0	0	0	0	0	0	0	0	0	0	UWED
Beacon Management Inc.	6025 Scott Way	Commerce	Los Angeles	CA	0	0	80	4.414	0	0	1.349	0	0	0	0	0	0	0	0	0	UWED

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Sacramento Regional Conservation Corps	6100 27th Street	Sacramento	Sacramento	CA	0	0	10	120	0.95	30	0	0	0	0	0	0	0	0	0	0	UWED
Alameda County Computer Resource Center	620 Page St	Berkeley	Alameda	CA	0	4990	750	0	0	7.75	0	0	0	0	0	0	0	0	0	0	UWED
Metech	6200 Engle Way	Gilroy	Santa Clara	CA	0	0	2080	500	0.094	0.1375	1.777	0	0.4675	0	0	20	0	0	0	0	UWED
Homeboy Recycling	6433 Canning Street	Commerce	Los Angeles	CA	0	0	940	30	10	2.254	0	0	0	0	0	0	0	0	0	0	UWED
Angel View, Inc.	64669 Dillon Road	Desert Hot Springs	Riverside	CA	0	0	20	20	40	50	0	0	0	0	0	0	0	0	0	0	UWED
Revolt Recycling	657 143rd Ave	San Leandro	Alameda	CA	0	0	100	50	0	0	0.8125	0.62	0	0	0	0	0	0	0	0	UWED
Goodwill Sacramento	6648 Franklin Blvd	Sacramento	Sacramento	CA	0	0	600	600	50	50	0	0	0	0	0	0	0	0	0	0	UWED
Goodwill Industries of San Diego County	6655 Camino Maquiladora	San Diego	San Diego	CA	81380	76020	0	0	110	90	0	0	0	0	0	0	0	0	0	0	UWED
Office Depot	6700 Autotmall Parkway	Freemont	Alameda	CA	0	0	30	30	0.29	0.29	0	0	0	0	0	0	0	0	0	0	UWED
LIRising Enviro Tech LLC DBA Re-Teck	688 Gibraltar Ct	Milpitas	Santa Clara	CA	0	0	320	8.0275	0	0	0	0	0	0	0	0	0	0	0	0	UWED
e-Recycling of California	7230 Petterson Lane	Paramount	Los Angeles	CA	0	80	5100	6160	3400	4050	20	60	0	0	0	0	0	0	0	0	UWED
Office Depot	7300 Chapman Ave.	Garden Grove	Orange	CA	0	0	120	120	0.37	0.37	0	0	0	0	0	0	0	0	0	0	UWED
Merit Corporation	7650 Newcastle Rd	Stockton	San Joaquin	CA	0	0	150	40	0.4645	1.0095	0	0	0	0	0	0	0	0	0	0	UWED
Goodwill	800 W Pacific Coast Hwy	Long Beach	Los Angeles	CA	0	0	80	80	20	20	0	0	0	0	0	0	0	0	0	0	UWED
e-Recycling of California	8065 Marine Way	Irvine	Orange	CA	0	0	7870	6770	310	410	2790	2480	0	830	0	1,479	0	0	0	0	UWED
Wisetek	8120 Berry Avenue, Suite D	Sacramento	Sacramento	CA	0	0	720	10	9.104	1.211	0	0	0	0	0	0	0	0	0	0	UWED
Veterans Green Project	826 Rancheros Drive	San Marcos	San Diego	CA	0	0	130	30	10	10	0	0	0	0	0	0	0	0	0	0	UWED
Computers 2 Kids San Diego	8324 Miramar Mall	San Diego	San Diego	CA	0	0	170	2.1805	6.5765	0.0465	0	0	0	0	0	0	0	0	0	0	UWED
Digital Green Global Inc.	875 Jarvis Drive	Morgan Hill	Santa Clara	CA	0	0	20	40	2.5605	0.05	0	0.105	0	0	0	0	0	0	0	0	UWED
Goodwill Industries	880 Industrial Way	San Luis Obispo	San Luis Obispo	CA	0	0	20	20	120	2030	0	0	0	0	0	0	0	0	0	0	UWED
Clean Harbors Environmental Services	880 Verdulera St	Camarillo	Ventura	CA	0	0	2370	4.4525	1440	1.619	0	0	0	0	0	0	0	0	0	0	UWED
Secure E-Waste Solutions	8810 Rehco Rd	San Diego	San Diego	CA	0	0	1980	2540	1060	1740	0	30	0	0	0	0	0	0	0	0	UWED
SIMS Recycling	8855 Washington Blvd.	Roseville	Placer	CA	0	1720	3370	550	2.6405	0.1	0	0.464	0	0	0	0	0	0	0	0	UWED
San Diego E-Waste	9364 Jamacha Rd, Bldg. F	Spring Valley	San Diego	CA	0	70	200	0	20	0	0	0	0	0	0	0	0	0	0	0	UWED
Eel River Disposal	965 Riverwalk Dr	Fortuna	Humboldt	CA	0	0	100	2.014	30	2.405	0	0	0	0	0	0	0	0	0	0	UWED
AMVETS Dept. of Ca Service Foundation	999 Cardiff St	San Diego	San Diego	CA	0	0	90	40	8.188	4.4085	0	0	0	0	0	0	0	0	0	0	UWED

Note: This table shows the facilities that were listed as both handlers and destinations in databases. At least one of the original data sets had errors. While attempts to fix these errors were made, errors may persist. Figures are rounded to the nearest 10. Figures less than 10 are not rounded.

Table 4.2-1: Assessment of Universal Waste Destinations, 2021

Destination Name	Destination Address	Destination City	Destination County	Destination State/Province/Prefecture	Destination Country	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?	Data Source
UNICOR	1 Federal Way	Atwater	Merced	CA	United States	Castle Institutional and Quasi-Public	38	72	57	Y	N	UWED
Alco Iron & Metal Co	1091 Doolittle Drive	San Leandro	Alameda	CA	United States	Industrial General	49	87	89	Y	Y	UWED
Auction BDI	1108 Pecten Court	Milpitas	Santa Clara	CA	United States	Heavy Industrial	21	41	91	N	Y	UWED
SafeGuard Asset Recovery, LLC	1108 Pecten Court	Milpitas	Santa Clara	CA	United States	Heavy Industrial	21	41	91	N	Y	UWED
Homeboy Recycling	1370 E 18th Street	Los Angeles	Los Angeles	CA	United States	Light Industrial	77	100	99	Y	Y	UWED
Advanced Chemical Transport, Inc	13722 Carmenita Road	Santa Fe Springs	Los Angeles	CA	United States	Industrial	N/A	95* Unreliable	89	Y	Y	UWED
Transpere Corp.	1670 Brandywine Avenue	Chula Vista	San Diego	CA	United States	Limited Industrial	34	66	91	N	Y	UWED
BC Recycling	1475 Lawrence Drive	Thousand Oaks	Ventura	CA	United States	Industrial Park	31	61	82	N	Y	UWED
Prism Electronics	18305 Sutter Blvd.	Morgan Hill	Santa Clara	CA	United States	Planned Unit Development	22	41	68	N	Y	UWED
Battery Solutions	1980 Elm Court	Ontario	San Bernardino	CA	United States	General Industrial	62	96	96	Y	Y	UWED
Advanced Chemical Transport, Inc	2021 Mission Road (may be 2010 W Mission Road)	Escondido	San Diego	CA	United States	N/A (wrong address?)	17	30	85	N	Y	UWED
Cali Resources Inc.	2310 Michael Faraday Drive	San Diego	San Diego	CA	United States	Industrial Light Zone	29	57	83	N	N	UWED
Hyper Technology Solutions	2313 E. Philadelphia St.	Ontario	San Bernardino	CA	United States	General Industrial	62	96	96	Y	Y	UWED
Zarc Recycling	26 South Linden Avenue	South San Francisco	San Mateo	CA	United States	Mixed Industrial	46	83	93	Y	Y	UWED
Ingram Micro	26533 Danti Court	Hayward	Alameda	CA	United States	Industrial Park	40	74	85	Y	Y	UWED
Stericycle	300 South El Camino Real	San Clemente	Orange	CA	United States	Mixed Use 3.0	12	18	51	N	Y	UWED
Clover Technologies Group	301 Weakley Street	Calexico	Imperial	CA	United States	Industrial Rail Served	47	84	72	Y	Y	UWED
Clean Earth Inc.	30677 Huntwood Avenue	Hayward	Alameda	CA	United States	Industrial Park	29	56	84	Y	Y	UWED
AER Worldwide	42744 Boscell Road	Fremont	Alameda	CA	United States	Industrial - General	23	45	88	N	Y	UWED
Fremouw Environmental Services, Inc.	6940 Tremont Road	Dixon	Solano	CA	United States	N/A (outside city limits)	28	55	61	N	N	UWED
BCS	7800 Woodley Avenue	Van Nuys	Los Angeles	CA	United States	Light Industrial	N/A	N/A	99	N	Y	UWED
Electronic Recyclers International, Inc.	7815 North Palm Avenue	Fresno	Fresno	CA	United States	Commercial Community	36	70	82	N	Y	UWED
Lighting Resources	805 E. Francis St.	Ontario	San Bernardino	CA	United States	General Industrial	50	88	94	Y	Y	UWED
Ecology Recycling Center	1030 Airport Road	Oceanside	San Diego	CA	United States	General Industrial	23	45	69	N	Y	UWED
Techmark International	10645 Wixom Street	Sun Valley	Los Angeles	CA	United States	Limited Industrial	59	95	91	Y	Y	UWED
ABC Battery Inc.	10810 Garfield Avenue	South Gate	Los Angeles	CA	United States	Corridor 2 Urban Mixed-Use	64	97	90	Y	Y	UWED
Dickson Electronic and Metal Recycling	1141 East Acacia Court	Ontario	San Bernardino	CA	United States	Specific Plan	62	96	96	Y	Y	UWED
ZS Electronic Recycling	1141 Acacia Court	Ontario	San Bernardino	CA	United States	Specific Plan	62	96	96	Y	Y	UWED
ZARC	115 Park Lane	Brisbane	San Mateo	CA	United States	Crocker Park Trade Commercial District	28	55	83	N	Y	UWED

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Commodity Resource and Environmental	116 E Prospect Avenue	Burbank	Los Angeles	CA	United States	Burbank Center Commercial Manufacturing	54	92	73	Y	Y	UWED
WeCare Supplies	11742 Clark Street	Arcadia	Los Angeles	CA	United States	Industrial	52	90	91	Y	Y	UWED
Commodity Resource and Environmental	11847 United Street	Mojave	Kern	CA	United States	Heavy Industrial	41	77	69	Y	N	UWED
Lifespan	12200 Wilkie Avenue	Hawthorne	Los Angeles	CA	United States	General Industrial - Trucking Intensive Overlay	52	90	96	Y	Y	UWED
IMS Recycling	12455 Kerran Street	Poway	San Diego	CA	United States	Light Industrial	21	39	76	N	Y	UWED
Kinsbursky Brothers Inc.	125 East Commercial Street	Anaheim	Orange	CA	United States	Industrial	49	86	97	Y	Y	UWED
Viking Shred	1260 Triangle Court	West Sacramento	Yolo	CA	United States	Light Industrial	56	93	91	Y	Y	UWED
All In Metals, Inc.	1275 W State Street	Ontario	San Bernardino	CA	United States	General Industrial	75	100	98	Y	Y	UWED
Gem Iron and Metal Inc.	1275 West State Street	Ontario	San Bernardino	CA	United States	General Industrial	75	100	98	Y	Y	UWED
Luis Antonio Ocampo	13100 Vanowen Street	North Hollywood	Los Angeles	CA	United States	R3-1 Multiple Dwelling Zone	48	86	95	Y	Y	UWED
Lee's Metal Recycling Center	1315 Lee Drive	Vista	San Diego	CA	United States	SPI Specific Plan No. 8 - Industrial General	21	40	71	N	Y	UWED
Apple Recycling	1326 Kifer Road	Sunnyvale	Santa Clara	CA	United States	Lawrence Station Flexible Mixed-Use 1	19	36	88	N	Y	UWED
Prudent IT TECH Asset Recovery	13348 Monte Vista Avenue	Chino	San Bernardino	CA	United States	Light Industrial	30	59	80	N	Y	UWED
Advance Trading Corporation	13348 Monte Vista Avenue	Chino	San Bernardino	CA	United States	Light Industrial	30	59	80	N	Y	UWED
Sun Street Transfer Station	139 Sun Street	Salinas	Monterey	CA	United States	Industrial General	35	68	92	Y	Y	UWED
GreenWaste Recovery, Inc.	14207 Del Monte Blvd.	Marina	Monterey	CA	United States	PQP-D-S; Public/ Quasi-Public	32	62	42	N	N	UWED
Mid Valley Refuse, Appliance & Special Metals Recycling	14867 W California Avenue	Kerman	Fresno	CA	United States	Light Manufacturing	48	86	88	Y	Y	UWED
Greenland Metals	1534 Date Street	Montebello	Los Angeles	CA	United States	Light Manufacturing	52	90	98	Y	Y	UWED
Dragon Fire Extinguishers	16008 Old Valley Blvd.	La Puente	Los Angeles	CA	United States	Commercial-Manufacturing	48	86	96	Y	Y	UWED
CSS Solutions	1680 West Winton Avenue	Hayward	Alameda	CA	United States	General Industrial	40	74	93	Y	Y	UWED
Union Battery Disposal	1702 South Grove Avenue	Ontario	San Bernardino	CA	United States	Business Park	62	96	96	Y	Y	UWED
ReComp Recycling	1704 South Santa Fe Street	Santa Ana	Orange	CA	United States	Light Industrial	44	81	98	Y	Y	UWED
KC Pulp & Paper	1758 Ranch Road	Azusa	Los Angeles	CA	United States	Moderate Density Residential	27	52	75	N	Y	UWED
Hazmat Destination Facility Inc.	180 Monte Avenue	Bloomington	San Bernardino	CA	United States	Industrial	60	96	89	Y	Y	UWED
Circosta Iron & Metal Company	1801 Evans Avenue	San Francisco	San Francisco	CA	United States	Production, Distribution, and Repair	N/A	N/A	82	N	Y	UWED



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Hanwa America Corp.	18100 Von Karman Avenue	Irvine	Orange	CA	United States	IBC Multi-Use	22	42	76	N	Y	UWED
Kawabata American Inc.	1950 South Santa Fe Avenue	Compton	Los Angeles	CA	United States	Heavy Manufacturing	81	100	99	Y	Y	UWED
Golden State Metals (SIM SA)	2000 East Brundage Lane	Bakersfield	Kern	CA	United States	Heavy Industrial	52	90	99	Y	Y	UWED
Baycrest International	2055 Junction Avenue	San Jose	Santa Clara	CA	United States	Industrial Park	21	39	83	N	Y	UWED
SM-Tech	2070 South 7th Street	San Jose	Santa Clara	CA	United States	Heavy Industrial	36	69	97	Y	Y	UWED
Sun-Lite Metals, Inc.	2210 East 85th Street	Los Angeles	Los Angeles	CA	United States	Heavy Manufacturing	64	97	97	Y	Y	UWED
Pacific Auto Recycling	225 West Avenue H	Lancaster	Los Angeles	CA	United States	Heavy Industrial	51	89	60	Y	Y	UWED
Zarc	2422 South California Street	Stockton	San Joaquin	CA	United States	Industrial	63	97	94	Y	Y	UWED
Electronic Circulation Center, Inc.	2618 Temple Heights Drive	Oceanside	San Diego	CA	United States	Limited Industrial	21	40	71	N	Y	UWED
MW Trading	26342 Madison Avenue	Murrieta	Riverside	CA	United States	Business Park	31	60	69	N	Y	UWED
Riley Recycling	2817 Main Street	Chula Vista	San Diego	CA	United States	Limited Industrial	33	65	88	N	Y	UWED
SME Corp.	2892 South Santa Fe Street	San Marcos	San Diego	CA	United States	Light Industrial	30	60	96	N	Y	UWED
SafeGuard Asset Recovery, LLC	29365 Hunco Way	Lake Elsinor	Riverside	CA	United States	Limited Manufacturing	45	83	70	Y	Y	UWED
Prism Electronics	305 Digital Drive	Morgan Hill	Santa Clara	CA	United States	Planned Unit Development	22	41	84	N	Y	UWED
CEWS	3602 Munster Street	Hayward	Alameda	CA	United States	General Industrial	40	74	93	Y	Y	UWED
Britt's Electronics	307 California Street	Woodland	Yolo	CA	United States	Community Commercial	24	47	88	N	Y	UWED
e-Recycling of California	31072 Hayman Street (may be 31702)	Hayward	Alameda	CA	United States	Industrial Park	29	56	84	Y	Y	UWED
Fletcher Square (Goodwill)	3150 North San Fernando Road	Los Angeles	Los Angeles	CA	United States	C-2 Commercial	64	98	95	Y	Y	UWED
e-Recycling of California	31577 Hayman Street	Hayward	Alameda	CA	United States	N/A (wrong address?)	29	56	84	Y	Y	UWED
e-Recycling of California	31775 Hayman Street	Hayward	Alameda	CA	United States	Industrial Park	29	56	84	Y	Y	UWED
Golden State Recycling, Inc.	32210 Dunlap Blvd.	Yucaipa	San Bernardino	CA	United States	Community Industrial	31	61	79	N	Y	UWED
Electronics Recyclers International	3243 South East Avenue	Fresno	Fresno County	CA	United States	Heavy Industrial	61	96	88	Y	Y	UWED
Global Tech Asset Recovery	324 S Diamond Bar Blvd.	Diamond Bar	Los Angeles	CA	United States	Commercial	22	42	87	N	Y	UWED
Neighborhood Recycling	353 E Olive Avenue	Fresno	Fresno	CA	United States	Commercial Main Street	44	81	90	Y	Y	UWED
WTP	3820 Co Rd 99W	Orland	Glenn	CA	United States	N/A	22	42	28	N	N	UWED
AHG Recycling	38503 Cherry Street	Newark	Alameda	CA	United States	General Industrial	33	65	84	Y	Y	UWED
OLM Recycling Services	38505 Cherry Street	Newark	Alameda	CA	United States	General Industrial	33	65	84	Y	Y	UWED
W & K	3933 Schaefer Avenue	Chino	San Bernardino	CA	United States	M-1 (definitions page not working)	36	69	88	N	Y	UWED
Covanta - Stanislaus	4040 Fink Road	Crows Landing	Stanislaus	CA	United States	General Agriculture - 40 Acre	38	73	43	Y	N	UWED
SafeGuard Asset Recovery, LLC	41110 Sandalwood Circle	Murrieta	Riverside	CA	United States	Business Park	34	65	64	N	Y	UWED

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Standard Iron and Metal	4525 San Leandro Street	Oakland	Alameda	CA	United States	IG - General Industry and Transportation	65	98	95	Y	Y	UWED
Fuland (May be Fulane)	4549 Enterprise Street	Fremont	Alameda	CA	United States	Industrial - General	23	45	88	N	Y	UWED
Arrow Pacific Electronics	5158 Cliffwood Drive	Montclair	San Bernardino	CA	United States	Manufacturing Industrial	47	84	94	Y	Y	UWED
Secure E-Waste Management	5220 Edison Avenue	Chino	San Bernardino	CA	United States	General Industrial	30	59	96	N	Y	UWED
Union Battery Disposal Inc.	5312 West Mission Blvd.	Ontario	San Bernardino	CA	United States	N/A - not on Pomona, Ontario, or Montclair zoning maps	47	84	94	Y	Y	UWED
Granite Data Solutions	5321 Luce Avenue	McClellan	Sacramento	CA	United States	Special Planning Area - General Industrial Sub-District	46	83	91	Y	Y	UWED
Honcex	5562 Olive Street	Montclair	San Bernardino	CA	United States	Manufacturing Industrial	41	77	84	Y	Y	UWED
CNH Trading Inc.	5562 Olive Street	Montclair	San Bernardino	CA	United States	Manufacturing Industrial	41	77	84	Y	Y	UWED
Unicor Recycling	5701 8th Street	Dublin	Alameda	CA	United States	Agriculture	14	23	85	N	Y	UWED
Jia Hao Trading Co.	5731 Waco Street	Chino	San Bernardino	CA	United States	Light Industrial	30	59	96	N	Y	UWED
Grupo Multinet	5858 Holmes Avenue	Los Angeles	Los Angeles	CA	United States	Heavy Manufacturing	64	97	99	Y	Y	UWED
Advance Trading Corporation	610 W. Park Street	Ontario	San Bernardino	CA	United States	Industrial	75	100	97	Y	Y	UWED
ZS Express	6180 Riverside Drive	Chino	San Bernardino	CA	United States	Commercial General	40	76	87	Y	Y	UWED
C & Y Global Group	6185 Industrial Way	Livermore	Alameda	CA	United States	High Intensity Industrial	16	29	70	N	Y	UWED
ZJW	632 New York Drive	Pomona	Los Angeles	CA	United States	Corridors Specific Plan	52	89	97	Y	Y	UWED
Greenland Metals	6400 Bandini Blvd.	Commerce	Los Angeles	CA	United States	Heavy Industrial	70	99	98	Y	Y	UWED
Bluestar Company Inc.	6748 Preston Avenue	Livermore	Alameda	CA	United States	High Intensity Industrial	16	29	70	N	Y	UWED
Suburban Mining Technologies	717 E. State Street	Ontario	San Bernardino	CA	United States	Industrial	75	100	99	Y	Y	UWED
Jimco, Inc.	719 Union Street	Montebello	Los Angeles	CA	United States	Heavy Manufacturing	52	90	96	Y	Y	UWED
RSR Quemetco LLC	720 South 7th Street	City of Industry	Los Angeles	CA	United States	Industrial	55	92	98	Y	Y	UWED
PPM Recycling LLC	7325 Adams Street	Paramount	Los Angeles	CA	United States	Heavy Manufacturing	60	96	98	Y	Y	UWED
Recyclecology	7609 Wilbur Way	Sacramento	Sacramento	CA	United States	Light Industrial	44	81	93	Y	Y	UWED
BulbCycle	7770 Regents Road	San Diego	San Diego	CA	United States	Commercial-Neighborhood	11	16	97	N	Y	UWED
Union Batteries	8122 S. Alameda Street	Huntington Park	Los Angeles	CA	United States	Heavy Manufacturing	64	97	97	Y	Y	UWED
Tycoon Recycling	8401 Slauson Avenue	Pico Rivera	Los Angeles	CA	United States	General Industrial	53	91	94	Y	Y	UWED
Camarillo Recycling	849 Via Alondra	Camarillo	Ventura	CA	United States	Light Manufacturing	11	14	73	N	Y	UWED
Spring Valley Environmental	8743 Troy Street	Spring Valley	San Diego	CA	United States	General Commercial	29	56	89	N	Y	UWED
C & L Metals	8905 Key West Street	San Gabriel	Los Angeles	CA	United States	Light Agricultural	38	72	91	N	Y	UWED
Core Recovery Co.	9035 Canoga Ave	Canoga Park	Los Angeles	CA	United States	Limited Manufacturing	45	82	93	Y	Y	UWED

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Professional Logistic Services	915 N B Street	Sacramento	Sacramento	CA	United States	General Commercial/Special Planning District	69	99	98	Y	Y	UWED
Derick Trading Group	9240 Whitmore Street	El Monte	Los Angeles	CA	United States	Office Professional	76	100	91	Y	Y	UWED
ZJW	9730 Factorial Way	South El Monte	Los Angeles	CA	United States	Manufacturing	69	99	99	Y	Y	UWED
Yuan Sheng Trading	9730 Factorial Way	South El Monte	Los Angeles	CA	United States	Manufacturing	69	99	99	Y	Y	UWED
Vintage Tech	9805 6th Street	Rancho Cucamonga	San Bernardino	CA	United States	General Industrial	40	74	90	Y	Y	UWED
Grown, Inc.	9835 Max Shapiro Way	South El Monte	Los Angeles	CA	United States	Manufacturing	64	97	97	Y	Y	UWED
Western Environmental Services Incorporated	400 W Foothill Blvd. (Mailing address: P.O. Box 1375, Glendora, CA)	Glendora	Los Angeles	CA	United States	Light Manufacturing	32	63	76	N	Y	UWED
Environmental & Chemical Consulting, Inc.	P.O. Box 3263	Crestline	San Bernardino	CA	United States	Could not locate physical address	Could not locate physical address	Could not locate physical address	Could not locate physical address	Could not locate physical address	Could not locate physical address	UWED
Battery Recycling Made Easy	1 East Porter Street	Cartersville		GA	United States				72	N/A	Y	UWED
Inmetco	1 Inmetco Drive	Ellwood City		PA	United States				49	N/A	Y	UWED
I.T. Refresh	100 N. Link Lane	Fort Collins		CO	United States	Industrial (Light/Heavy)?			80	N/A	Y	UWED
First America Metal Corporation	1000 E. Armstrong Street	Morris		IL	United States	Manufacturing (M-1)			27	N/A	Y	UWED
Call2Recycle	1000 Parkwood Circle	Atlanta		GA	United States				63	N/A	Y	UWED
eTak Worldwide Corporation	1010 Avenue J	Grand Prairie		TX	United States				83	N/A	Y	UWED
Universal Recycling Technologies (URT)	10151 Southeast Jennifer Street	Clackamas		OR	United States	Light Industrial			69	N/A	Y	UWED
IBM Corporation/Geodis	1101 Clark Street	Endicott		NY	United States				80	N/A	Y	UWED
eGreen IT Solution, LLC	11034 N 23rd Drive	Phoenix		AZ	United States				88	N/A	Y	UWED
American eCycle	1150 Turner Road	Eastanollee		GA	United States				52	N/A	N	UWED
Office Depot Xdock #3063	1151 Gills Drive	Orlando		FL	United States				87	N/A	Y	UWED
Clean Harbors Aragonite LLC	11600 North Apts Road	Grantsville		UT	United States				7	N/A	N	UWED
R2 Disassembly	11751 Huron Street	Westminster		CO	United States				53	N/A	Y	UWED
eWorks Electronic Services Inc.	1201 Estes Ave.	Elk Grove Village		IL	United States				62	N/A	N	UWED
Flextronics America, LLC	12455 Research Blvd.	Austin		TX	United States				69	N/A	Y	UWED
Rand Tennessee	125 E. Centre Stage Business Park	Clinton		TN	United States				15	N/A	Y	UWED
The Wireless Alliance	1275 Rock Creek Circle	Lafayette		CO	United States				53	N/A	Y	UWED
DISH Network El Paso	1285 Joe Battle Blvd.	El Paso		TX	United States				48	N/A	Y	UWED
BTR Solutions, d/b/a Sipi Asset Recovery	1300 W.N. Thorndale Avenue	Elk Grove Village		IL	United States				81	N/A	Y	UWED
Clean Harbors of Arizona LLC	1340 West Lincoln Street	Phoenix		AZ	United States				99	N/A	Y	UWED
Diverse Assets	13616 Railway Drive	Oklahoma City		OK	United States				0	N/A	Y	UWED
Korea Zinc Co., Ltd Onsan Complex	139 Ijin-ro	Onsan-eup, Ulsju-gun		Ulsan	Republic of Korea	N/A		N/A	N/A	N/A	N/A	UWED
Dedicated Networks	14000 Unity Street NW	Ramsey		MN	United States				46	N/A	Y	UWED
Dowa ECO-System CO Ltd	14-1 Soto Kanda	4-Chome, Chiyoda-Ku		Tokyo	Japan	N/A		N/A	N/A	N/A	N/A	UWED
Golden Recycling	1502 E. Hadley Street	Phoenix		AZ	United States	Light Industrial (A-1)			99	N/A	Y	UWED

Destination Name	Destination Address	Destination City	Destination County	Destination State/Province/Prefecture	Destination Country	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?	Data Source
IT Renew	15351 Green Road	Olathe		KS	United States				55	N/A	N	UWED
Adams Cable Equipment	15560 West 100th Terrace	Lenexa		KS	United States	Business Park/Planned Manufacturing (BP)			0	N/A	N	UWED
Elgin Recycling	1615 Dundee Avenue	Elgin		IL	United States	Commercial Industrial (CI)			54	N/A	Y	UWED
Trinty Logistics Ltd	1806 18F Wayson	Sheung Wan		Hong Kong	Hong Kong	N/A		N/A	N/A	N/A	N/A	UWED
Global Electronic Recycle	1815 East Deer Valley Road	Phoenix		AZ	United States	Light Industrial (A-1)			44	N/A	Y	UWED
Regency Technologies LLC	1815 East Deer Valley Road	Phoenix		AZ	United States	Light Industrial (A-1)			44	N/A	Y	UWED
Regency Technologies (MARS)	1831 East Highland Road	Twinsburg		OH	United States				93	N/A	Y	UWED
Pulse Supply Chain Solutions	2015 Royal Lane	Dallas		TX	United States	Industrial/Research (IR)?			83	N/A	N	UWED
21st Century EMN, LLC	2095 E. Newlands	Fernley		NV	United States				65	N/A	N	UWED
Wistron GreenTech	2101 Couch Drive	McKinney		TX	United States				63	N/A	Y	UWED
Gannon and Scott, Inc.	2113 E. Sky Harbor Circle South	Phoenix		AZ	United States				0	N/A	Y	UWED
Waste Management Lampracker	221 N 48th Ave	Phoenix		AZ	United States				0	N/A	Y	UWED
Clean Harbors Environmental Services, Inc.	2247 South Highway 71	Kimball		NE	United States				25	N/A	Y	UWED
Strategic Telecom Supply & Solutions	229-231 S. 49th Ave.	Phoenix		AZ	United States	Industrial (A-1, A-2)			0	N/A	Y	UWED
URT	2301 Franklin Drive	Fort Worth		TX	United States				0	N/A	Y	UWED
STSS Recycling	231 S. 49th Ave.	Phoenix		AZ	United States	Industrial (A-1, A-2)			0	N/A	Y	UWED
Redwood Materials	2401 Conestoga Dr.	Carson City		NV	United States	Airport Industrial Park (AIP)			52	N/A	Y	UWED, PV Modules Report
Computer Recyclers USA, LLC	2527 Commerce Place	Tucker		GA	United States				79	N/A	Y	UWED
MRP	260 Schilling Circle	Hunt Valley		MD	United States	Light Manufacturing (ML IM)			62	N/A	Y	UWED
STSS Recycling LLC	2601 Maury St	Richmond		VA	United States	Light Industrial (M-1)			92	N/A	Y	UWED
Cylinder Depot	2606 Commercial Rd.	Centralia		WA	United States				45	N/A	Y	UWED
DMD Technology Unplugged	2625 S. Roosevelt St.	Tempe		AZ	United States				92	N/A	Y	UWED
Retriev Technologies - Lancaster	265 Quarry Road Se	Lancaster		OH	United States				50	N/A	Y	UWED
STSS Recycling	2804 Decatur St	Richmond		VA	United States				92	N/A	Y	UWED
Heritage Environmental Services	284 E Storey Rd	Coolidge		AZ	United States				51	N/A	N	UWED
Clean Harbors Grassy Mountain LLC	3 Miles East 7 Miles North of Knolls	Grantsville		UT	United States				7	N/A	N	UWED
The Doe Run Company	300 Casteel Dr.	Viburnum		MO	United States	Industrial (?)			55	N/A	Y	UWED
Strategic Telecom Supply & Solutions (STSS)	306 Orleans St.	Richmond		VA	United States				84	N/A	Y	UWED
Clean Harbors El Dorado	309 American Circle	El Dorado		AR	United States				83	N/A	Y	UWED
Bluesky Solutions LLC	309 Chapanoke Rd #114	Raleigh		NC	United States				75	N/A	Y	UWED
Total Metal Recycling	3101 Missouri Avenue	Granite City		IL	United States	Heavy Industrial (M-3)			71	N/A	Y	UWED

Destination Name	Destination Address	Destination City	Destination County	Destination State/Province/Prefecture	Destination Country	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?	Data Source
Broadway Metal Recycling, Inc	3330 W. Broadway Rd.	Phoenix		AZ	United States	Heavy Industrial (A-2)			99	N/A	Y	UWED
TECHNICOLOR	3500 East West Hwy	Hyattsville		MD	United States				96	N/A	Y	UWED
Retriev Technologies Ohio	365 & 395 Quarry Rd. SE	Lancaster		OH	United States				50	N/A	Y	UWED
ETech Management	3910 Groves Rd.	Columbus		OH	United States	Manufacturing (M1)			79	N/A	Y	UWED
GRC Wireless	3918 N. 29th Ave	Hollywood		FL	United States				77	N/A	Y	UWED
Curie Environmental Services	4020 Vassar Dr.	Albuquerque		NM	United States				92	N/A	Y	UWED
Battery Recycling Made Easy, LLC	420 S. River Street	Calhoun		GA	United States				67	N/A	Y	UWED
Clover Technologies	4200 Columbus St.	Ottawa		IL	United States				10	N/A	Y	UWED
Ingram Micro	460 N 54th St.	Chandler		AZ	United States				72	N/A	Y	UWED
Early Upgrade	4843 Victor Street	Jacksonville		FL	United States				75	N/A	Y	UWED
Bionew USA	485 Horizon Drive	Suwanee		GA	United States	Light Industrial (M-1)			63	N/A	Y	UWED
Clean Harbors Laporte, LLC	500 Independence Parkway South	LaPorte		TX	United States				0	N/A	Y	UWED
Allworth, LLC	500 Medco Road	Birmingham		AL	United States				82	N/A	Y	UWED
Blue Sky Solutions	5019 Hovis Road	Charlotte		NC	United States	Light Industrial (I-2)			96	N/A	Y	UWED
Estee Trade	5029 Aspen Hill Rd	Rockville		MD	United States				60	N/A	Y	UWED
Viatek Solutions	5240 Buckeye Rd.	Phoenix		AZ	United States				0	N/A	Y	UWED
Integrated Recycling Technologies, Inc.	525 Progress Rd.	Waite Park		MN	United States	Industrial (A-1)			62	N/A	Y	UWED
VR Assets	5325 Naiman Pkwy Ste G	Solon		OH	United States				62	N/A	Y	UWED
Waste Management Lampracker	5355 N 51st Avenue	Glendale		AZ	United States				94	N/A	Y	UWED
Dynamic Life Cycle Innovations	N5549 County Road Z	Onalaska		WI	United States	Industrial District (Conditional Use)			41	N/A	N	UWED
Environmental Reclaim, LLC	557 Evalyn Dr.	Carson City		NV	United States	Light Industrial (LI)			48	N/A	Y	UWED
Veolia Environmental Services	5736 W. Jefferson Street	Phoenix		AZ	United States	Industrial Park (I-2)			0	N/A	N	UWED
Battery Solutions	5900 Brighton Pines Court	Howell		MI	United States				62	N/A	Y	UWED
Pace Butler Corporation	5915 NW 23rd Street	Oklahoma City		OK	United States				71	N/A	Y	UWED
Metal Conversion Technology LLC (BRME)	6 East Porter St.	Cartersville		GA	United States				72	N/A	Y	UWED
HP Planet Partners	6000 Industrial Drive	Gloucester		VA	United States				20	N/A	Y	UWED
AT&T, TRADEIN B2B-DOCK 96/629413714/ FSS PROCESSING CENTER	601 Mason Road	La Vergne		TN	United States				63	N/A	Y	UWED
Battery Solutions/Call2Recycle	618 E. Auto Center Dr.	Mesa		AZ	United States				63	N/A	Y	UWED
S3R Co. Ltd	66	Eumilsilseo-ro		Incheon	Republic of Korea	N/A		N/A	N/A	N/A	N/A	UWED
NextUse LLC	67 Venture Dr.	Dover		NH	United States				15	N/A	Y	UWED
Akron Canton Computer Recycling	67 W. Vine St.	Alliance		OH	United States				73	N/A	Y	UWED
Intelligent Lifecycle Solutions	725 Greg Street	Sparks		NV	United States	Industrial (I)			81	N/A	Y	UWED
Office Depot Xdock #3059	735 E. Trinity Boulevard	Grand Prairie		TX	United States				97	N/A	Y	UWED
Cleanlites Recycling	7806 Anthony Wayne Ave	Cincinnati		OH	United States				83	N/A	Y	UWED

Destination Name	Destination Address	Destination City	Destination County	Destination State/Province/Prefecture	Destination Country	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?	Data Source
CompuCycle	8019 Kempwood Dr.	Houston		TX	United States				95	N/A	Y	UWED
Retriev Technologies, Inc.	8090 Lancaster Newark Road	Baltimore		OH	United States				21	N/A	N	UWED
The Big Green Box	8090 Lancaster-Newark Road NE	Baltimore		OH	United States				21	N/A	N	UWED
TechLots, LLC	811 E Plano Ste. 117	Plano		TX	United States				85	N/A	Y	UWED
Allied Environmental Services	8266 13th Street	Medford		OR	United States				53	N/A	Y	UWED
Re-Teck	902 Ave T Suite 100	Grand Prairie		TX	United States				78	N/A	N	UWED
Call2Recycle, Alliance Fulfillment Center	913 Cobb Pkway N Suite E	Marietta		GA	United States				84	N/A	Y	UWED
Far West Metals	9665 SW Tualatin-Sherwood Rd.	Tualatin		OR	United States	Industrial/General Manufacturing (MG)			76	N/A	Y	UWED
Adams Cable Equipment	9700 Widmer Rd	Lenexa		KS	United States	Business Park/Planned Manufacturing (BP)			0	N/A	Y	UWED
Power Exchange Solutions, S. de R.L. de C.V.	Bldv. Nicaragua #60. Int A	Col. Herradura		Mexicali B.C. C.P. 21217	Mexico	N/A		N/A	N/A	N/A	N/A	UWED
Technologies Displays Mexicana, S.A. de C.V.	Calzada Robledo Industrial 460	Desarrollo Industrial El Colorado		Mexico	Mexico	N/A		N/A	N/A	N/A	N/A	UWED
Lee PO Logistics Trading LTD	G/F BLK I ELLE GDN 31 Tong Tau Po Tsuen	Yuen Long		Hong Kong	Hong Kong	N/A		N/A	N/A	N/A	N/A	UWED
US Ecology	Highway 95	Beatty		NV	United States	Industrial (1ND)			17	N/A	N	UWED
PT Esun International Utama Indonesia	Kawasan Industri Sungai Harapan	Batam Centre		Indonesia	Indonesia	N/A		N/A	N/A	N/A	N/A	UWED
Zhong Jia Resources SDN BHD	Lot 10047 & 10048	Kawasan Perindustrian Segamat 11		85030 Segamat Johor	Malaysia	N/A		N/A	N/A	N/A	N/A	UWED
Rainbow Metal Recycle SDN BHD	Lot 4128 Jalan Batu Anam	Butoh Kasap		Segamat Johor	Malaysia	N/A		N/A	N/A	N/A	N/A	UWED
Refit Electronic Technology Inc.	Lot IL ground floor BLDG 4.5 and C Gateway Park 2 SBFZ	Olongapo Zambales		Philippines	Philippines	N/A		N/A	N/A	N/A	N/A	UWED
Wayfeng International Co., Ltd	Rm. 1708	Hong Kong		Hong Kong	Hong Kong	N/A		N/A	N/A	N/A	N/A	UWED
Veolia Environmental Services	1275 Mineral Springs Drive	Port Washington		WI	United States				63	N/A	Y	Mercury Non-Profit Corporation
Echo Environmental Holdings, LLC	2101 West Bellline Road	Carrollton		TX	United States	Light Industrial			68	N/A	Y	PV Module Report
Cascade Eco Minerals	11567 Co Road 110	Upper Sandusky		OH	United States				10	N/A	Y	PV Module Report
Cal Micro	1515 West Holt Blvd.	Ontario	San Bernardino	CA	United States	Business Park	75	100	98	Y	Y	PV Module Report
WeRecycle Facility	1970 South Factor Avenue	Yuma		AZ	United States				83	N/A	Y	PV Module Report
AERC Recycling Solutions, A Clean Earth Company	1733 Morgan Road Suite 250	Modesto	Stanislaus	CA	United States	M-2 Industrial	46	83	90	Y	Y	PV Module Report
Green E-Tech Systems	215 N. Sunset Ave.	City of Industry	Los Angeles	CA	United States	Industrial	55	92	98	Y	Y	UWED
Unknown	2160 Elkins Way	Brentwood	Contra Costa	CA	United States	Planned Development - 56	33	65	65	N	Y	UWED
Greenovative	2966 E. Victoria St.	Rancho Dominguez	Los Angeles	CA	United States	Restricted Heavy Manufacturing	56	93	95	Y	Y	UWED

Destination Name	Destination Address	Destination City	Destination County	Destination State/Province/Prefecture	Destination Country	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?	Data Source
Electronic Recyclers International, Inc.	3243 South East Avenue Ste 105	Fresno	Fresno	CA	United States	Heavy Industrial	61	96	88	Y	Y	UWED
Avritek	650 Gateway Center Way	San Diego	San Diego	CA	United States	Industrial Light	52	90	95	Y	Y	UWED
Willits Transfer Station	350 Franklin Ave	Willits	Mendocino	CA	United States	Heavy Industrial	28	55	15	N	Y	UWED
Sims Metal Management	600 S 4th Street	Richmond	Contra Costa	CA	United States	Light, Heavy, or Marine Industrial	38	71	65	N	Y	UWED
Rho Chem LLC	425 Isis Avenue	Inglewood	Los Angeles	CA	United States	Light Manufacturing	65	98	98	Y	Y	UWED
Conservation Corps North Bay	365 Blodgett Street	Cotati	Sonoma	CA	United States	Commercial/Industrial District	20	38	72	N	Y	UWED
SA Recycling/Adam's Steel	3200 E Frontera St.	Anaheim	Orange	CA	United States	Anaheim Canyon Specific Plan	50	88	81	Y	Y	UWED
FC Management DBA PC Recycle	2580 Azurite Cir	Newbury Park	Ventura	CA	United States	M-1 (definitions page not working)	31	61	82	N	Y	UWED
Sims Metals Management	1800 Monterey Hwy.	San Jose	Santa Clara	CA	United States	Heavy Industrial	36	69	97	Y	Y	UWED
Greenland Resource Inc.	14225 Telephone Ave	Chino	San Bernardino	CA	United States	M-2 (Definitions page not working)	30	59	96	N	Y	UWED
Corporate Ewaste Solutions	13710 Ramona Ave	Chino	San Bernardino	CA	United States	VLI - Majestic Spectrum Specific Plan	30	59	80	N	Y	UWED
OLM Recycling Services	1320 N. 4th Street	San Jose	Santa Clara	CA	United States	Light Industrial	36	69	94	N	Y	UWED
SIMS Metal Management	11320 Dismantle Court	Rancho Cordova	Sacramento	CA	United States	South Sunrise Special Planning Area	23	45	80	N	N	UWED
Gold'N West Surplus	1121 California Ave	Corona	Riverside	CA	United States	Industrial Park	29	56	88	N	Y	UWED
Conservation Corps North Bay	11 Pimentel Ct.	Novato	Marin	CA	United States	Planned District	16	29	57	N	Y	UWED

Note: This table shows the destinations of universal waste from multiple data sets. Zoning was completed for all California locations and for the top 30 out of state locations that received universal waste. Assessment for out of country locations is not available. At least one of the original datasets had errors. While attempts to fix these errors were made, errors may persist. Some locations may have unreliable data due to available datasets or due to imprecise locations.

**Table 4.2-2: Assessment of Universal Waste Recyclers, 2021**

Recycler Name	Recycler Address	Recycler City	Recycler State	Recycler Zip Code	Recycler County	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?	Data Source
A&G ELECTRONICS	12155 Magnolia Ave # 4 H	Riverside	CA	92503	Riverside	Business and Manufacturing Park Zone	34	65	85	N	Y	UWED
ADS Gold Inc	3843 E. Eagle Dr.	Anaheim	CA	92807	Orange	Industrial	N/A	95* Unreliable	99	Y	Y	UWED
AERC Recycling, A Clean Earth Company	1733 Morgan Road Suite 250	Modesto	CA	95358	Stanislaus	Heavy Industrial	46	83	90	Y	Y	UWED
Alpha Surplus Inc.	1980 E Elm St	Ontario	CA	91761-7699	San Bernardino	Industrial	62	96	96	Y	N	UWED
Apple, Inc	1330 Kifer Rd	Sunnyvale	CA	94086-5398	Santa Clara	MXD1	19	36	88	N	Y	UWED
Attan Recycling Corporation	13941 Norton Ave	Chino	CA	91710	San Bernardino	Light Industrial	30	59	80	N	Y	UWED
Beacon Management Inc	6025 Scott Way	Commerce	CA	90040-3515	Los Angeles	Heavy Industrial	70	99	98	Y	Y	UWED
BTR Solutions, LLC d/b/a Sipi Asset Recovery	30944 San Clemente St	Hayward	CA	94544	Alameda	Industrial Park	29	56	84	Y	Y	UWED
Cal Micro	1515 W Holt Blvd	Ontario	CA	91762-3645	San Bernardino	General Industrial	75	100	98	Y	Y	UWED
Cal Micro	1541 Brooks St	Ontario	CA	91762-3619	San Bernardino	General Industrial	75	100	98	Y	Y	UWED
California Electronic Asset Recovery	10203 Missile Way	Mather	CA	95655-4002	Sacramento	Special Planning Area	29	56	78	N	Y	UWED
California Electronic Asset Recover	3678 Lemay St	Mather	CA	95655-4117	Sacramento	Special Planning Area	29	56	78	N	Y	UWED
Corporate Ewaste Solutions	331-333 Cliffwood Park St.	Brea	CA	92821	Orange	Light Industrial	26	51	69	N	Y	UWED
Desert Arc	45875 Commerce St	Indio	CA	92201-3404	Riverside	Industrial Park	50	88	98	Y	Y	UWED
e-Recycling of California	31702 Hayman St	Hayward	CA	94544-7934	Alameda	Industrial Park	29	56	84	Y	Y	UWED
e-Recycling of California	7230 Petterson Ln	Paramount	CA	90723-2022	Los Angeles	Heavy Manufacturing	59	95	94	Y	Y	UWED
e-Recycling of California	8065 Marine Way - Bldg. 297	Irvine	CA	92623	Orange	Orange County Great Park	18	32	80	Y	Y	UWED
EcoSpot Recycling Inc	13800 Van Ness Ave	Gardena	CA	90249	Los Angeles	M1 Industrial	69	99	96	Y	Y	UWED
EDM Recycling Inc.	13975 Monte Vista Avenue	Chino	CA	91710	San Bernardino	General Industrial	30	59	96	N	Y	UWED
Electronic Recyclers International	3243 S East Ave Ste 104	Fresno	CA	93725-9018	Fresno	Heavy Industrial	61	96	88	Y	Y	UWED
Electronic Recyclers International	3243 S East Ave Ste 108	Fresno	CA	93725-9018	Fresno	Heavy Industrial	61	96	88	Y	Y	UWED
eWaste Direct	6752 Preston Ave Suite E	Livermore	CA	94551	Alameda	High Intensity Industrial	16	29	70	N	Y	UWED
FC Management	2001 Anchor Court Ste B	Newbury Park	CA	91320	Ventura	Industrial	31	61	82	N	Y	UWED
Fortune Metal Inc of RI	12234 Florence Ave	Santa Fe Springs	CA	90670	Los Angeles	Industrial, possibly part of special study area	41	76	95	Y	Y	UWED
Fortune Metal Inc of RI	19421 Quinn Rd	Bakersfield	CA	93308-9636	Kern	Service Industrial	49	87	64	Y	N	UWED
Glencore Recycling, LLC	1695 Monterey Hwy	San Jose	CA	95112-6113	Santa Clara	Heavy Industrial	34	65	98	N	Y	UWED



Recycler Name	Recycler Address	Recycler City	Recycler State	Recycler Zip Code	Recycler County	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?	Data Source
GLS Group	311 W Emporia St	Ontario	CA	91762-3806	San Bernardino	General Industrial	52	90	98	Y	Y	UWED
Gold'n West Surplus, Inc.	1691 N. Delilah St	Corona	CA	92879	Riverside	General Manufacturing	54	92	94	Y	Y	UWED
Goodwill Industries of San Diego County	6655 Camino Maquiladora	San Diego	CA	92154-7722	San Diego	International Business and Trade	29	57	83	N	N	UWED
Homeboy Recycling, a California social purpose corporation	6433 Canning Street	Commerce	CA	90040	Los Angeles	Heavy Industrial	70	99	98	Y	Y	UWED
Lawrence Livermore National	7000 East Ave	Livermore	CA	94550-9698	Alameda	Education and Institutions	16	29	0	N	N	UWED
LiRising Enviro Tech LLC dba Re-Teck	688 Gibraltar Court	Milpitas	CA	95035	Santa Clara	Industrial	21	41	91	N	Y	UWED
Lockheed Martin Aeronautics Company - Palmdale	1011 Lockheed Way Mail Zone 6607	Palmdale	CA	93599-0001	Los Angeles	SP-Lockheed	N/A	N/A	0	N	N	UWED
Manukyan Enterprises dba E-Waste US	7341 Fulton Ave Unit 15-17	North Hollywood	CA	91605-4114	Los Angeles	Light Industrial	59	95	81	Y	Y	UWED
Mate Enterprises, Inc.	1438 W 15th St	Long Beach	CA	90813-1324	Los Angeles	General Industrial	N/A	95* Unreliable	99	Y	Y	UWED
Merit Corporation	7650 Newcastle Rd Chad YCF - Shop 19/20	Stockton	CA	95215	San Joaquin	N/A	56	94	63	Y	Y	UWED
Metech Recycling	6200 Engle Way	Gilroy	CA	95020-7012	Santa Clara	General Industrial	42	78	80	Y	Y	UWED
Monitor And CRT Recyclers of	1691 N. Delilah St.	Corona	CA	92879	Riverside	General Manufacturing	54	92	94	Y	Y	UWED
my ewaste drop off	21462 Harvill Ave #1	Perris	CA	92570	Riverside	N/A	44	81	87	Y	Y	UWED
Nortech Waste LLC	3033 Fiddymnt Rd	Roseville	CA	95747-9705	Placer	Possible eco-industrial (not in Roseville or Lincoln zoning info)	17	29	21	N	N	UWED
Onsite Electronics Recycling	2331 Teepee Dr	Stockton	CA	95205-2447	San Joaquin	Industrial (Cherokee Industrial Park, per real estate sites)	34	67	79	Y	Y	UWED
PN California Inc.	9016 Somerset Blvd	Bellflower	CA	90706-3402	Los Angeles	Light Industrial	46	84	95	Y	Y	UWED
Redwood Gospel Mission	1821 Piner Rd	Santa Rosa	CA	95403-1911	Sonoma	Light Industrial	23	44	57	N	Y	UWED
SA Recycling	12301 Valley Blvd	El Monte	CA	91732-3603	Los Angeles	General Commercial	57	94	94	Y	Y	UWED
SA Recycling	1545 Gage Rd	Montebello	CA	90640-6631	Los Angeles	Heavy Manufacturing	52	90	96	Y	Y	UWED
Safe Way Recycling & Recovery, Inc.	21516 Main Street Ste B	Grand Terrace	CA	92313	San Bernardino	Industrial	37	70	78	N	Y	UWED
Sandia National Laboratory, CA	7011 East Ave	Livermore	CA	94550-9610	Alameda	Education and Institutions	16	29	34	N	N	UWED
SES Secure E-Waste Solutions	8830 Rehco Rd Suite B	San Diego	CA	92121	San Diego	Industrial Light Zone	19	35	83	N	N	UWED
Shred Aware LLC	2237 3rd Street	Eureka	CA	95501	Humboldt	Service Commercial	27	54	70	N	Y	UWED

Recycler Name	Recycler Address	Recycler City	Recycler State	Recycler Zip Code	Recycler County	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?	Data Source
Silicon Salvage, Inc.	1500 N Dale Ave	Anaheim	CA	92801-1341	Orange	Industrial	28	55	93	N	Y	UWED
Sims Recycling Solutions, Roseville	8855 Washington Blvd	Roseville	CA	95678-5935	Placer	General Industrial	13	20	37	N	Y	UWED
SMR Asset Recovery, LLC.	350 Hanson Way	Woodland	CA	95776	Yolo	Industrial	28	55	52	N	N	UWED
Tri-Valley Recycling	1988 E Alpine Ave	Stockton	CA	95205-2508	San Joaquin	Light/Limited Industrial	52	90	96	Y	Y	UWED
US Ecology Vernon Inc.	5375 South Boyle Avenue	Vernon	CA	90058	Los Angeles	Industrial	N/A	95* Unreliable	92	Y	Y	UWED
VISTA GLOBAL NETWORKS	24100 Frampton Avenue	Harbor City	CA	90710	Los Angeles	Restricted Industrial Zone	27	53	86	N	Y	UWED
Zak Enterprises	310 Anna St	Watsonville	CA	95076-2496	Santa Cruz	Industrial Park	34	65	62	N	Y	UWED

Note: This table shows the handlers who identified as recyclers in UWED. The original dataset had errors. While attempts to fix these errors were made, errors may persist. Some locations may have unreliable data due to available datasets or due to imprecise locations.

Table 4.2-3: Assessment of Permitted Facilities, 2021

Permitted Facility Name	Permitted Facility Address	Permitted Facility City	Permitted Facility State	Permitted Facility County	Type of Permit	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?
A & A FEROS NON FEROS METAL	640 S HILL ST #743	Los Angeles	CA	Los Angeles	Standardized	Commercial	52	90	75	Y	Y
ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES	13579 WHITTRAM AVE	Fontana	CA	San Bernardino	Standardized	General Industrial	56	93	96	Y	Y
ADVANCED ENVIRONMENTAL, INC., DBA WORLD OIL ENVIRONMENTAL SERVICES - DIXON	7300 CHEVRON WAY	Dixon	CA	Solano	Standardized	Exclusive Agricultural 40 Acres	28	55	47	N	N
AERC ACQUISITION CORP DBA AERC RECYCLING SOLUTIONS, A CLEAN EARTH COMPANY	30677 HUNTWOOD AVE	Hayward	CA	Alameda	Standardized	Industrial Park	29	56	84	Y	Y
AGRITEC INT DBA CLEANTECH ENVIRONMENTAL INC	5820 MARTIN RD	Irwindale	CA	Los Angeles	State Only	Heavy Manufacturing	46	83	92	Y	N
WORLD OIL ENVIRONMENTAL SERVICES	2549 SCOTT AVE	Chico	CA	Butte	Standardized	Light Manufacturing	41	77	90	Y	Y
ASBURY ENVIRONMENTAL SERVICES - CERES DBA WORLD OIL ENVIRONMENTAL SERV	1920 MORGAN RD STE AES	Ceres	CA	Stanislaus	Standardized	General Industrial	36	69	86	Y	Y
WORLD OIL ENVIRONMENTAL SERVICES - FORTUNA	200 DINSMORE DR	Fortuna	CA	Humboldt	Standardized	Public Facility	24	48	46	N	Y
BAYSIDE OIL II INC	210 ENCINAL ST	Santa Cruz	CA	Santa Cruz	Standardized	General Industrial	16	29	65	N	Y
CALIFORNIA OIL TRANSFER LLC	5300 CLAUD RD	Riverbank	CA	Stanislaus	Standardized	Riverbank Industrial Complex Park	37	70	71	N	Y
CHEMICAL WASTE MANAGEMENT INC KETTLEMAN	KETTLEMAN HILLS LDFL HIGHWAY 41	Kettleman City	CA	Kings	RCRA	General Agricultural - 40 District	42	77	56	Y	N
CHEVRON CHEMICAL CO	940 HENSLEY ST	Richmond	CA	Contra Costa	RCRA	Industrial, General	38	71	70	N	Y
CHEVRON EL SEGUNDO REFINERY	324 W EL SEGUNDO BLVD	El Segundo	CA	Los Angeles	RCRA	Heavy Manufacturing	N/A	95* Unreliable	0	Y	Y
CHEVRON USA INC RICHMOND REFINERY	841 CHEVRON WAY	Richmond	CA	Contra Costa	RCRA	Industrial, General	38	71	70	N	Y
CLEAN HARBORS BUTTONWILLOW LLC	2500 WEST LOKERN RD	Buttonwillow	CA	Kern	RCRA	Exclusive Agriculture	44	81	38	Y	N

Permitted Facility Name	Permitted Facility Address	Permitted Facility City	Permitted Facility State	Permitted Facility County	Type of Permit	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?
CLEAN HARBORS ENVIRONMENTAL SERVICES INC PORT OF REDWOOD CITY	695 SEAPORT BLVD	Redwood City	CA	San Mateo	Standardized	General Industrial	27	53	91	N	N
CLEAN HARBORS SAN JOSE LLC	1021 BERRYESSA RD	San Jose	CA	Santa Clara	RCRA	Heavy Industrial	43	80	91	Y	Y
CLEAN HARBORS WESTMORLAND LLC	5295 SOUTH GARVEY ROAD	Westmorland	CA	Imperial	RCRA	General Agricultural/Rural Zone	51	89	30	Y	N
CLEAN HARBORS WILMINGTON LLC	1737 E DENNI ST	Wilmington	CA	Los Angeles	RCRA	Heavy Manufacturing	N/A	95* Unreliable	99	Y	Y
CORTEVA AGRISCIENCE - PITTSBURG OPERATIONS	901 LOVERIDGE RD	Pittsburg	CA	Contra Costa	RCRA	General Industrial	55	93	90	Y	N
CRANE'S WASTE OIL INC	16095 HIGHWAY 178	Weldon	CA	Kern	Standardized	Medium Industrial, Precise Development Combining	20	39	2	N	N
CROSBY & OVERTON	1630 W 17TH ST	Long Beach	CA	Los Angeles	RCRA	General Industrial	N/A	95* Unreliable	99	Y	Y
DEMENNO-KERDOON	2000 N ALAMEDA ST	Compton	CA	Los Angeles	RCRA	Industrial	66	98	99	Y	Y
DEPT OF AIR FORCE VANDENBERG AFB	VANDENBERG AFB	Vandenberg AFB	CA	Santa Barbara	RCRA	Agricultural II 100 Acre	19	35	54	N	Y
EDWARDS AIR FORCE BASE	5 E POPSON AVE	Edwards	CA	Kern	RCRA	Limited Agriculture, Airport Approach Height Combining	27	52	0	N	N
EMERALD TRANSFORMER LOS ANGELES, LLC	5756 ALBA ST	Los Angeles	CA	Los Angeles	RCRA	Light Industrial	70	99	99	Y	Y
GEM OF RANCHO CORDOVA	11855 WHITE ROCK RD	Rancho Cordova	CA	Sacramento	RCRA	N/A	25	50	0	N	N
GENERAL ELECTRIC INTERNATIONAL INC	3601 E LA PALMA AVE	Anaheim	CA	Orange	RCRA	Industrial	43	79	82	Y	Y
GLENCORE RECYCLING LLC	1695 MONTEREY HWY	San Jose	CA	Santa Clara	Standardized	Heavy Industrial	34	65	98	N	Y
HAZMAT TSDf INC FORMER FILTER RECYCLING SERVICES INC	180 W MONTE AVE	Rialto	CA	San Bernardino	Standardized	Heavy Industrial	60	96	89	Y	Y
HERAEUS PRECIOUS METALS NORTH AMERICA LLC	15524 CARMENITA RD	Santa Fe Springs	CA	Los Angeles	Standardized	Heavy Manufacturing	N/A	95* Unreliable	89	Y	Y
HERITAGE-CRYSTAL CLEAN LLC	1620 E BRUNDAGE LN	Bakersfield	CA	Kern	State Only	General Manufacturing	52	90	99	Y	Y
INDUSTRIAL SERVICE OIL CO INC	1700 S SOTO ST	Los Angeles	CA	Los Angeles	RCRA	Heavy Manufacturing	76	100	99	Y	Y
J&B REFINING DBA J&B ENTERPRISES	1650 RUSSELL AVE	Santa Clara	CA	Santa Clara	Standardized	Heavy Industrial	20	39	86	N	Y
KINSBURSKY BROTHERS SUPPLY INC	1314 N ANAHEIM BLVD	Anaheim	CA	Orange	RCRA	Industrial	49	86	97	Y	Y

Permitted Facility Name	Permitted Facility Address	Permitted Facility City	Permitted Facility State	Permitted Facility County	Type of Permit	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?
LAWRENCE BERKELEY NATIONAL LABORATORY	1 CYCLOTRON RD	Berkeley	CA	Alameda	RCRA	High Density Residential	N/A	Unreliable	91	N	Y
LAWRENCE LIVERMORE NATIONAL LABORATORY	7000 EAST AVE	Livermore	CA	Alameda	RCRA	Education and Institutions	16	29	0	N	N
LAWRENCE LIVERMORE NATIONAL LABORATORY - SITE 300	CORRAL HOLLOW RD	Tracy	CA	San Joaquin	RCRA	Public Facilities	28	55	64	N	N
LIGHTING RESOURCES LLC	805 FRANCIS ST	Ontario	CA	San Bernardino	Standardized	General Industrial	50	88	94	Y	Y
MARTINEZ REFINING COMPANY LLC	3485 PACHECO BLVD	Martinez	CA	Contra Costa	RCRA	Heavy Industrial	38	72	77	Y	Y
NAVAL AIR STATION NORTH ISLAND (NASNI) HAZARDOUS WASTE FACILITY COMPLEX	BUILDING 1606	San Diego	CA	San Diego	RCRA	N/A	N/A	Unreliable	82	Y	Y
NAVAL AIR WEAPONS STATION CHINA LAKE	1 ADMINISTRATION CIR	China Lake	CA	Kern	RCRA	N/A	36	69	57	N	Y
NAVAL BASE CORONADO MIXED WASTE STORAGE FACILITY	NASNI BLDG 74	San Diego	CA	San Diego	RCRA	Military Zone	N/A	Unreliable	82	N	Y
NAVAL STATION SAN DIEGO	BLDG 3458 NAVAL STATION	San Diego	CA	San Diego	RCRA	N/A	43	79	93	Y	Y
PACIFIC GAS & ELECTRIC/ DIABLO CANYON	3890 AVILA BEACH	Avila Beach	CA	San Luis Obispo	RCRA	Public Facility	14	22	38	N	N
PACIFIC RESOURCE RECOVERY SERVICES INC	3150 E PICO BLVD	Los Angeles	CA	Los Angeles	RCRA	Heavy Manufacturing	76	100	99	Y	Y
PACIFIC SCIENTIFIC ENERGETIC MATERIALS CO	3601 UNION RD	Hollister	CA	San Benito	RCRA	Light Industrial	26	52	68	N	N
PHIBRO-TECH INC	8851 DICE RD	Santa Fe Springs	CA	Los Angeles	RCRA	Heavy Manufacturing	55	93	97	Y	Y
QUEMETCO INC	720 S 7TH AVE	City of Industry	CA	Los Angeles	RCRA	Industrial	55	92	98	Y	Y
RAMOS ENVIRONMENTAL SERVICES	1515 S RIVER RD	West Sacramento	CA	Yolo	Standardized	Waterfront	34	66	82	N	Y
RHO-CHEM LLC	425 ISIS AVE	Inglewood	CA	Los Angeles	RCRA	Light Manufacturing	65	98	98	Y	Y
SAFETY KLEEN OF CALIFORNIA SANTA MARIA	745 W BETTERAVIA RD	Santa Maria	CA	Santa Barbara	Standardized	High Density Residential	37	71	97	N	Y
SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE	Newark	CA	Alameda	RCRA	General Industrial	33	65	84	Y	Y
SAFETY-KLEEN OF CALIFORNIA INC - DAVIS	44561 ROAD 30-B	Davis	CA	Yolo	Standardized	Agriculture - Intensive	19	35	64	N	N
SAFETY-KLEEN OF CALIFORNIA INC - FRESNO	4139 N VALENTINE AVE	Fresno	CA	Fresno	Standardized	Light Industrial	48	86	92	Y	Y

Permitted Facility Name	Permitted Facility Address	Permitted Facility City	Permitted Facility State	Permitted Facility County	Type of Permit	Zoning	CalEnviroScreen 4.0 Score	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?
SAFETY-KLEEN SYSTEMS INC	2918 WORTHEN AVE	Los Angeles	CA	Los Angeles	RCRA	Light Industrial	40	75	91	Y	Y
SAFETY-KLEEN SYSTEMS INC	2120 S YALE ST	Santa Ana	CA	Orange	RCRA	Light Industrial	45	82	94	Y	Y
SAFETY-KLEEN SYSTEMS,INC.	6000 88TH ST	Sacramento	CA	Sacramento	RCRA	Heavy Industrial - Site Improvements	37	70	90	Y	N
SAN DIEGO GAS & ELECTRIC COMPANY	5488 OVERLAND AVE	San Diego	CA	San Diego	Standardized	Industrial Light Zone 2-1	27	53	80	N	Y
SAN DIEGO GAS & ELECTRIC MIRAMAR	6875 CONSOLIDATED WAY SD1373	San Diego	CA	San Diego	RCRA	Industrial Light Zone 3-1	19	35	83	N	N
SANDIA NATIONAL LABORATORIES	7011 EAST AVE	Livermore	CA	Alameda	RCRA	Education and Institutions	16	29	34	N	N
SOUTHERN CALIFORNIA EDISON SAN ONOFRE PLANT	5000 OLD PACIFIC HWY	San Clemente	CA	Orange	RCRA	Rural - Residential	25	49	66	N	N
SOUTHERN CALIFORNIA GAS CO	2424 E OLYMPIC BLVD	Los Angeles	CA	Los Angeles	RCRA	Heavy Manufacturing	44	81	65	Y	Y
SOUTHERN CALIFORNIA GAS CO	8101 S ROSEMEAD BLVD	Pico Rivera	CA	Los Angeles	RCRA	Industrial	53	91	96	Y	Y
TRAVIS AIR FORCE BASE	60 CES/CEA	Travis AFB	CA	Solano	RCRA	Exclusive Agriculture	N/A	N/A	0	N	Y
US ECOLOGY VERNON INC	5375 S BOYLE AVE	Los Angeles	CA	Los Angeles	RCRA	Industrial	N/A	95* Unreliable	92	Y	Y
USS-POSCO INDUSTRIES	900 LOVERIDGE RD	Pittsburg	CA	Contra Costa	State Only	General Industrial	46	83	90	Y	Y
VEOLIA ES TECHNICAL SOLUTIONS LLC AZUSA	1704 W 1ST ST	Azusa	CA	Los Angeles	RCRA	Industrial	60	96	95	Y	N
VEOLIA ES TECHNICAL SOLUTIONS LLC RICHMOND	1125 HENSLEY ST	Richmond	CA	Contra Costa	RCRA	Industrial, Light	38	71	70	N	Y
WESTERN DIGITAL TECHNOLOGIES INC	5601 GREAT OAKS PKWY	San Jose	CA	Santa Clara	RCRA	Industrial Park	17	31	87	N	Y
WIT SALES AND REFINING	538 PHELAN AVE	San Jose	CA	Santa Clara	Standardized	Heavy Industrial	36	69	97	Y	Y
WORLD OIL - SAN JOAQUIN LLC	14287 E MANNING AVE	Parlier	CA	Fresno	Standardized	Exclusive Agriculture	57	94	76	Y	Y
WORLD OIL ENVIRONMENTAL SERVICES - CHICO II	1618 W 5TH ST	Chico	CA	Butte	Standardized	Light Manufacturing	28	56	86	N	Y
WORLD OIL TERMINALS - VERNON	3650 E 26TH ST	Vernon	CA	Los Angeles	RCRA	Industrial - Rendering	N/A	95* Unreliable	92	Y	Y

Note: This table shows permitted facilities in California. The number of permitted facilities was 74 at the beginning of the analysis but may change by the time the report is complete. Some locations may have unreliable data due to available datasets or due to imprecise locations. The facility marked with an asterisk did not renew its permit.

**Table 4.2-4: Assessment of Top 31 Out of State Facilities That Received Manifested Waste, 2021**

Facility Name	Facility Address	Facility City	Facility State	Type of Facility	Zoning	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?
US ECOLOGY NEVADA	HWY 95 11 MI S OF BEATTY	BEATTY	NEVADA	Landfill, HW, Part B, RCRA/TSCA, PCBs	Industrial (IND)	N/A	17	N/A	N
EAST CARBON DEVELOPMENT CORP [ECDC ENVIROMENTAL LLC]	1111 WEST HIGHWAY 123	EAST CARBON	UTAH	RCRA Subtitle D Landfill	General Industrial Zone (I-2)	N/A	0	N/A	N
SOUTH YUMA COUNTY LANDFILL	19536 S AVENUE 1E	YUMA	ARIZONA	Landfill, Class 2	Heavy Industrial (HI)	N/A	29	N/A	N
LA PAZ COUNTY-COMMUNITY DEVELOPMENT AGENCY	26999 STATE HWY 95	PARKER	ARIZONA	Landfill, Class D, Municipal Solid Waste	Heavy Industry (HI)	N/A	13	N/A	N
NORTHWEST REGIONAL LANDFILL	19401 W DEER VALLEY RD	SURPRISE	ARIZONA	Landfill, Class 3	Industrial, Light Manufacturing (ILM)	N/A	35	N/A	N
COPPER MOUNTAIN LANDFILL	AVE 35E & COUNTY 12TH ST	WELLTON	ARIZONA	Landfill, Class 2	Heavy Industrial (HI)	N/A	10	N/A	N
CLEAN HARBORS ARAGONITE LLC	11600 N APTUS RD	ARAGONITE	UTAH	Incineration	Hazardous Industries (MG-H)	N/A	7	N/A	N
ASH GROVE CEMENT PLANT	1801 N SANTA FEE	CHANUTE	KANSAS	Cement Kiln, alternate fuels	Heavy Industrial (M-2)	N/A	36	N/A	N
CLEAN HARBORS GRASSY MOUNTAIN	3 MI E 7 MI N KROLLS EXIT OFF I-80	KNOLLS	UTAH	Landfill Class 1	Hazardous Industries (MG-H)	N/A	7	N/A	N
CHEMICAL WASTE MANAGEMENT OF THE NW	17629 CEDAR SPRINGS LN	ARLINGTON	OREGON	Landfill, Class 1; RCRA/nonRCRA Treatment	General Industrial (M-G)	N/A	26	N/A	N
US ECOLOGY IDAHO INC SITE B	20400 LEMLEY RD	GRAND VIEW	IDAHO	Landfill, Class 1; RCRA/nonRCRA Treatment	Industrial (I)	N/A	22	N/A	N
BUTTERFIELD STATION REGIONAL FACILITY	40404 S 99TH AVE	MOBILE	ARIZONA	Landfill Class 3, Municipal, nonHW	Heavy Industrial (IND-3)	N/A	42	N/A	N
CLEAN HARBORS ENVIRONMENTAL SERVICES	2247 S HIGHWAY 71	KIMBALL	NEBRASKA	Incineration	Heavy Industrial (I-2))	N/A	24	N/A	N
VEOLIA ES TECHNICAL SOLUTIONS LLC	9131 E 96TH AVE	HENDERSON	COLORADO	Solvent recycling and fuels blending	Residential (R-3) (Enterprise Zone)	N/A	69	N/A	N
CONTINENTAL CEMENT CO LL GREEN AMERICA RECYC[LE] LLC	10107 HIGHWAY 79	HANNIBAL	MISSOURI	Commercial Cement Kiln	Industrial (I-2)	N/A	22	N/A	N
CLEAN HARBORS ENVIRONMENTAL SERVICES	309 AMERICAN CIR	EL DORADO	ARKANSAS	Incineration	Heavy Industrial (I-2)	N/A	83	N/A	Y
CLEAN HARBORS DEER PARK LP	2027 INDEPENDENCE PKWY S	DEER PARK	TEXAS	Incineration	Industrial (Extra Territorial Jurisdiction, ETJ)	N/A	0	N/A	N
RINECO CHEMICAL INDUSTRIES LLC	1007 VULCAN RD HASKELL	BENTON	ARKANSAS	Incineration	Heavy Industrial (HI)	N/A	53	N/A	Y

Facility Name	Facility Address	Facility City	Facility State	Type of Facility	Zoning	CalEnviroScreen 4.0 Percentile	EJScreen Tool: Proximity to Hazardous Waste (US Percentile)	SB 535 Y/N?	Sensitive Receptor Y/N?
SABIN METAL WEST CORP	15 12TH AVE E	WILLISTON	NORTH DAKOTA	Recycler: Precious Metal Recovery, Recycling, & Refining	Light Industrial (M-1)	N/A	74	N/A	Y
SYSTECH ENVIRONMENTAL CORPORATION	1420 S CEMENT RD	FREDONIA	KANSAS	HW RCRA/nonRCRA TSDF	Industrial (I-1)	N/A	38	N/A	N
Safety Kleen Systems, Oil Refinery (formerly Bango Oil LLC)	22211 BANGO RD	FALLON	NEVADA	HW Recycling Facilities	Industrial (I)	N/A	6	N/A	N
US ECOLOGY TEXAS INC	3277 COUNTY ROAD 69	ROBSTOWN	TEXAS	Landfill, Class 1; RCRA/nonRCRA Treatment	Heavy Industrial (IH)	N/A	61	N/A	N
WORLD RESOURCES CO	8113 W SHERMAN ST	TOLLESON	ARIZONA	HW RCRA/nonRCRA TSDF	Light Industrial (I-1)	N/A	95	N/A	Y
LIQUID ENVIRONMENTAL SOLUTIONS OF ARIZONA	5159 W VAN BUREN ST	PHOENIX	ARIZONA	Non-HW Organic	Heavy Industrial (A-2)	N/A	0	N/A	N
CLEAN HARBORS RSC LLC	1445 W 42ND ST	CHICAGO	ILLINOIS	Solvent recycling	Light Industrial (M2)	N/A	91	N/A	Y
CLEAN HARBORS DEER TRAIL LLC	108555 E HWY 36	DEER TRAIL	COLORADO	Landfill, Class 1; RCRA/nonRCRA Treatment	Industrial	N/A	4	N/A	N
THERMOFLOW CORPORATION	4000 ARCATA WAY	N LAS VEGAS	NEVADA	Hazardous Waste Recycling (Used Antifreeze)	General Industrial (M-2)	N/A	87	N/A	Y
ASH GROVE CEMENT COMPANY	4457 HIGHWAY 108	FOREMAN	ARKANSAS	Commercial Cement Kiln	Industrial (?)*	N/A	58	N/A	N
CLEAN HARBORS PPM LLC	2474 N HIGHWAY 169	COFFEYVILLE	KANSAS	Organic Liquid Disposal, PCB Storage/Disposal	Heavy Industrial (I-2)*	N/A	24	N/A	N
HERITAGE ENVIRONMENTAL SVC LLC	5122 E STOREY RD	COOLIDGE	ARIZONA	HW Recycling Facilities	General Industrial (I-2); dated map shows Agriculture (AG)	N/A	51	N/A	Y
TRANSFORMER TECHNOLOGIES	4709 TURNER RD SE	SALEM	OREGON	PCB Treatment	General Industrial (IG)	N/A	49	N/A	Y

Note: This table shows the top 31 out of state facilities that received manifested waste. CalEnviroScreen scores and percentiles are not applicable for locations outside of California. SB 535 information is not applicable for locations outside of California. Locations out of state that received manifested waste but were not in the top 31 were not included in this table.