County:	Honolulu	**Solid Waste Issue:**	Solid Waste Programs
Population (2020 Census):	1.02 million		
Last Update to SWMP:	2019		
Waste Characterization Data:	**Deposit Beverage Containers Program (HI-5 Program):** According to the 2017 O'ahu Waste Characterization Study, the following quantities of each material type were disposed[1]: HI-5 plastic PET containers: 2,796 tons HI-5 plastic HDPE containers: 201 tons HI-5 aluminum containers: 1,372 tons HI-5 bi-metal containers: 236 tons HI-5 glass containers: 3,756 tons Total HI-5: 8,361 tons **Electronic Device Recycling Program:** According to the 2017 O'ahu Waste Characterization Study, approximately 8,723 tons of covered electronic devices were disposed.[2] **Glass Advance Disposal Fee Program:** According to the 2017 O'ahu Waste Characterization Study, an estimated 4,814 tons of non-HI-5 glass containers were disposed.[3]		
Waste Diversion Data:	**Deposit Beverage Containers Program (HI-5 Program):** In FY 23, the State's redemption rate was 56 percent. **Electronic Device Recycling Program:** There is no county-specific waste diversion data available for covered electronics. In 2021, approximately 3,576 tons of "electronic scraps" were recycled—a fraction of which is assumed to be covered electronics.[4] **Glass Advance Disposal Fee Program:** In 2022, approximately 2,356 tons of glass were recycled countywide.[5]		
County Ordinances:	**Deposit Beverage Containers Program (HI-5 Program):** The County of Honolulu does not have any ordinances related to the management of deposit beverage containers. Deposit beverage containers are subject to state regulations (HRS Chapter 342G Part VIII; see State fact sheet for additional information). **Electronic Device Recycling Program:** Honolulu City Ordinance, Chapter 9-1.7 bans the disposal of e-waste and requires commercial and government e-waste to be processed through e-waste recycling companies. **Glass Advance Disposal Fee Program:** Honolulu City Ordinance, Chapter 9-1.11 requires city agencies to recycle glass through the City Agency Recycling Program. The City monitors compliance through annual site inspections and compliance form mailers. Revised Ordinances of Honolulu (ROH), Chapter 42-3.1 requires liquor-serving establishments to recycle glass containers.[6] In 1993, the City adopted regulations allowing the use of crushed glass in road construction.		

Overview:

Deposit Beverage Containers Program (HI-5 Program): The are approximately 24 privately-operated redemption centers throughout the island of O'ahu. Recovered DBCs are transported to a recycling facility for processing and marketing. The City and County of Honolulu offers schools, non-profit organizations, and condominiums 96-gallon recycling carts to support recycling efforts and raise money. Each cart recipient is responsible for arranging pickup or transportation of the recyclables and receives the 5 cents for each DBC.

Electronic Device Recycling Program: Residents can dispose electronics with MSW or during bulky item collection. However, residents are encouraged to consider alternatives such as donating, recycling, drop-off at a local e-waste recycler or e-waste drop-off event, and retailer/manufacturer takeback programs. Commercial e-waste is banned from disposal in O'ahu, and therefore, businesses must contact a local e-waste recycler or donate to a charitable organization. H-Power can process electronics in compliance with state and federal laws. According to the City and County ISWMP, goals for the management of HHW and e-waste include:

- Minimize disposal of used electronics at H-Power and WGSL
- Minimize cost to manage or recycle used electronics
- Increase repair, reuse, and recycling of e-waste

Glass Advance Disposal Fee Program: The City of Honolulu has administered a non-deposit (non-HI-5) glass recycling program for several years with funding and authorization from the State Advance Disposal Fee (ADF) program. The 1.5 cent ADF has not been increased since it was written into state law in 1994 and is insufficient to cover recycling costs according to the County ISWMP.[7]

In April 2014, licensed glass recyclers were notified by the City of a reduction in the recycling incentive payment for non-deposit glass as a result of limited funding received from the State to operate the program. Subsequently, licensed glass recyclers informed the City that they would no longer accept non-deposit glass from the public for recycling as of June 2014. As a result, the City suspended the Revised Ordinances of Honolulu (ROH) Section 9-3.1 requirements as applicable to non-deposit glass. The ordinance is still in effect for HI-5 deposit glass.

Presently, there are no public recycling options for non-deposit glass. However, non-deposit glass is still collected in residential recycling carts, and for two licensed glass recyclers' commercial accounts. The City contracts with a glass recycler to process both ADF and HI-5 glass collected in the blue carts. Recyclers typically ship glass to off-island markets on the mainland or in Asia. Because the market value for glass is low, recycling requires a subsidy. As such, the City continues to advocate for an increase in the ADF for non-deposit glass.

County Programs & Funding:

Deposit Beverage Containers Program (HI-5 Program): Money from the State's deposit beverage container deposit special fund may be expended to support the implementation of the deposit beverage container program (HRS §342G-104).

Electronic Device Recycling Program: There is no county-specific information available pertaining to funding for the Electronic Device Recycling Program. Money from the State's electronic device recycling fund may be expended by the director to support county electronics collections (HRS §339D-10).

	Glass Advance Disposal Fee Program: In FY 2022, the City and County of Honolulu contract with OSWM for the Glass ADF Program totaled $640,970.[8] In 2022, expenditures for the County's Glass ADF program totaled approximately $163,401. Money from the State's special account in the environmental management fund may be allocated to support the implementation of the Glass ADF program (HRS §342G-84). In mid-2018, the City of Honolulu issued an RFP for beneficial reuse of ADF glass. The RFP was reissued in early 2019 in an attempt to solicit a greater number of eligible offers.
Estimated Annual Material Type Generation:	Not available.
Permitted Collectors and Recyclers/Processors:	**Deposit Beverage Containers Program (HI-5 Program)[9, 10]:** • CM Recycling • Honolulu Recovery Systems • Island Recycling (2) • K&C Metal • Monster HI-5 & Tires • Reynolds Recycling (12) • RRR Recycling Services (7) **Electronic Device Recycling Program[11]:** • Best Buy • Cameron Chemical Corp • Enviroservices • E-opala Computer Recycling Center • Oasis Environmental Group • Pacific Commercial Services • T&N Computer Recycling Services **Glass Advance Disposal Fee Program:** There are no public recycling options for non-HI-5 glass.[12]
News Articles:	**Deposit Beverage Containers Program (HI-5 Program):** *Honolulu Civil Beat:* "Why Is It So Hard To Fix Hawaii's Bottle Deposit Program?" **Electronic Device Recycling Program:** *Hawaii News Now:* "As manufacturers pay for e-waste, local recyclers see huge demand" **Glass Advance Disposal Program:** N/A
County Solid Waste Stream Issue Statement and Potential Solutions: (County to provide issue statement and potential solutions regarding the management of this material category.)	**Issue Statement** – N/A **Potential Solutions** – • HI-5 program: Increase to 10 cents to improve recovery and keep up with inflation, add wine and distilled spirits to improve recovery of those containers and implement the audit recommendations to improve the program especially accountability of recyclers. • Electronics recycling: E-waste, especially those with batteries, may cause fires, explosions and impact ash quality. Implement more options for residents (i.e., separate curbside pickup and/or dropoff at transfer stations/convenience centers and retailers) to reduce e-waste to H-POWER. • Glass ADF: Reduce glass to landfill via diversion of glass to recycling programs and beneficial reuse of ash. Increase ADF to incentivize recyclers to accept ADF glass.

[1] 2017 Waste Composition Study (honolulu.gov)
[2] 2017 Waste Composition Study (honolulu.gov)
[3] 2017 Waste Composition Study (honolulu.gov)
[4] Rates and Data (honolulu.gov)
[5] Office of Solid Waste Management Annual Report to the Thirty-Second Legislature State of Hawai'i 2023 (hawaii.gov)
[6] The ROH Online (honolulu.gov)
[7] 2019 Integrated Solid Waste Management Plan Update (honolulu.gov)
[8] Office of Solid Waste Management Annual Report to the Thirty-Second Legislature State of Hawai'i 2023 (hawaii.gov)
[9] Oahu Redemption Centers (hawaii.gov)
[10] HI 5 Recycling Centers (honolulu.gov)
[11] EWaste Recycle (honolulu.gov)
[12] 2019 Integrated Solid Waste Management Plan Update (honolulu.gov)