County:	Maui	**Solid Waste Issue:**	Solid Waste Programs
Population (2020 Census):	165,000		
Last Update to SWMP:	2024 Pending		
Waste Characterization Data:	**Deposit Beverage Container Program (HI-5 Program):** According to projections calculated using 2019 disposal tonnages and waste composition data from the 2012 Maui County Waste Composition Study, the following quantities of each material type were disposed in 2019: HI-5 plastic PET containers: 671 tons HI-5 aluminum cans: 671 tons HI-5 glass bottles and containers: 1,789 tons Total HI-5: 3,131 tons[1] **Electronic Device Recycling Program:** There is no county-wide waste characterization data available on electronics that are covered under the Electronic Device Recycling Programs. According to projections calculated using 2019 disposal tonnages and waste composition data from the 2012 Maui County Waste Composition Study, approximately 447 tons of "Other Computer Equipment", and 2,012 tons of "Other Electronics" were disposed in 2019.[2] **Glass Advance Disposal Fee Program:** According to projections calculated using 2019 disposal tonnages and waste composition data from the 2012 Maui County Waste Composition Study, approximately 4,026 tons of non-deposit glass bottles and containers were disposed in 2019. [3]		
Waste Diversion Data:	**Deposit Beverage Container Program (HI-5 Program):** In FY 23, the State's redemption rate was 56 percent. **Electronic Device Recycling Program:** In FY 2023, approximately 217 tons of covered electronics were collected County-wide.[4] **Glass Advance Disposal Fee Program:** In FY 2023, approximately 433 tons of glass were collected County-wide.[5]		
County Ordinances:	**Deposit Beverage Container Program (HI-5 Program):** The County of Hawai'i 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:** The County of Maui does not have any ordinances related to the electronic device recycling program. Covered electronics are subject to state regulations (HRS Chapter 339D; see State fact sheet for additional information). **Glass Advance Disposal Fee Program** **County of Maui, Hawai'i - Code of Ordinances Title 12 - Streets, Sidewalks and Public Places - Chapter 12.54 - Recycled Glass Product Requirements for County Funded Projects:** "Paving and Nonstructural Backfill. Unless otherwise provided herein, all County projects shall utilize materials with minimum recycled glass product content meeting specifications as set forth by the County in accordance with Hawai'i Revised Statutes section 103D-407, as revised. If the quantity of available recycled glass products is insufficient to meet the minimum content percentages for the entire project, the contractor shall use the minimum content specified until the available stock of recycled glass product is exhausted, then complete the project using the standard non-glass specification. For purposes of this requirement, all County project specifications shall provide for recycled glass product use in County roadways and parking lots, private roadways that are to be		

dedicated to and accepted by the County, County bikeways, and nonstructural backfill in accordance with Hawai‘i Revised Statutes section 103D-407, as revised.
Unless otherwise provided herein, all County projects shall utilize recycled glass product that meets the department's specifications for uses including, but not limited to sand, water filtration medium and sandblasting grit.”[6]

County of Maui, Hawai‘i - Code of Ordinances Title 20 - Environmental Protection Chapter 20.22.020 - Glass recycling requirements.
This ordinance requires all licensees to arrange or provide for the recycling of all glass containers discarded by their licensed liquor establishment. They are not to mix glass containers with refuse or place glass containers in a manner that causes, or is intended to cause, the disposal of glass containers with refuse. It also requires all licensees to register with the department and maintain records of recycled glass that must be available upon request, for inspection by the department. [7]

Overview:

Deposit Beverage Container Program (HI-5 Program): The Environmental Protection and Sustainability Division (EP&S) within the Department of Environmental Management was established in 2016 and is responsible for the implementation of the HI-5 Program. On the County website, there is a Hawaii Deposit Beverage Container Program (HI-5) webpage that lists several resources, including what containers are accepted, their redemption prices, and the locations of redemption centers within the County. The 2008 Integrated Solid Waste Management Plan for the County stated that they offered a mobile recycling drop-off unit, but it would eventually be phased out.

Beginning in FY 2023, the Department has begun contracting with the County of Maui to fund personnel that will provide DBC Program inspection services. The County expects to establish the positions in the current fiscal year.

Electronic Device Recycling Program:

The County of Maui Environmental Protection and Sustainability Division offers residents free recycling of certain electronic waste. Such electronic waste that the County recycles consists of broken or unwanted TVs, computers, monitors, and printers. The County contracts E-Cycling Maui LLC for the collection, consolidation, and shipping of electronic waste. Once collected, the e-waste is either locally reused or sorted and shipped to Oregon, where an accredited and certified processor recycles and manages the devices. E-Cycling Maui, LLC is contracted by the County to collect e-waste in the county two days a week on Tuesdays and Saturdays. In addition, e-waste (i.e., TVs, printers, computers, and monitors) is also collected at a tri-annual event at the Hana Landfill and at monthly collection events in Lahaina. In 2020, it was estimated that approximately 103 tons of covered electronic devices and approximately 175 tons of covered televisions were collected County-wide (278 tons total).[8] The cost for e-waste collection in the County of Maui totaled to $381,495 in 2020. The County of Maui and the Hawai‘i State Department of Health fund the County Electronics Recycling Program. The County ISWMP recommends the Division continue to promote safe handling and proper disposal of E-Waste through the County website and other forms of media, consider constructing a permanent HHW and E-Waste collection and storage facility, and support

state-wide efforts and legislation for producer responsibility initiatives, which include funding sources for implementation.

Glass Advance Disposal Fee Program: The statewide glass recovery program is funded by the Glass Advance Disposal fee, where all importers of non-HI5 glass container products pay a 1.5 cent fee for each glass container in an effort to divert glass from landfills. The collected revenue is used to fund county programs for the recovery of all non-HI5 glass containers. The county has eight residential recycling centers with designated bins for glass bottles and jars. The county website lists guidelines for the recycling centers, in addition to information as to where the recycled material is transported.

County Programs & Funding:

Deposit Beverage Container Program (HI-5 Program):

To encourage recycling among residents, the State introduced the HI-5 Deposit Beverage Container (DBC) program in January 2005. The DBC program contracts operation of Certified Redemption Centers (CRCs) to independently handle glass recycling statewide. The program is called "HI-5" because the DBC program refunds a $0.05 deposit fee for eligible containers and has eliminated more than 10 billion containers from the waste stream. Eligible containers include a "HI 5¢" mark/label on metal, glass, and plastic beverage containers (up to 68 fluid ounces) and must meet the following conditions for redemption:

- Be clear of liquid and debris
- Caps removed from bottles
- Have the HI-5 mark/label intact
- Containers separated by glass, plastic, aluminum, and bi-metal

Deposit Beverage Container Program (HI-5 Program) Funding:

Recycling Grants Program FY 2024 (July 1, 2023 - June 30, 2024) - $500,000 estimated funds available, subject to County Council appropriations. The Recycling Grants Program potentially funds all diversion and zero waste initiatives that may or may not include projects related to the Deposit Beverage Container Program.

Electronic Device Recycling Program:

The State adopted HRS Chapter 339D, Electronic Waste and Television Recycling and Recovery Act, amended June 2022, that requires manufacturers of electronic devices to operate recycling programs for "covered" devices. Covered electronic devices include computers, computer printers, computer monitors, portable computers with a screen size greater than 4 inches measured diagonally, and televisions with a viewable screen of 9 inches or larger. Additional information on the new legislation can be found online.[9]

The County participates in the State E-Waste collection program as follows:

- E-Waste is collected on the island of Maui at:
  - ECycling Maui – ReThink Center, 301 Hansen Road, Puunene, HI 96784
- E-Waste is collected on the island of Molokai at:
  - Molokai-Naiwa Landfill and Recycling Center, Off Maunaloa Highway between mile markers 3 and 4, Maunaloa, Molokai, HI 96770

E-Waste collection events are scheduled on the island of Lanai and at the Hana Landfill Refuse and Recycling Center by the County, and e-waste is also collected at the Lanai

	Redemption and Recycling Center located at 12th and Fraser Avenue, Lanai City, Lanai, HI 96763. Additional information on recycling "measure status" can be found online.[10] **Electronic Device Recycling Program Funding:** • The director may expend money from the State's electronic device recycling fund to support county electronics collections (HRS §339D-10) • Recycling Grant Program FY2024 (July 1, 2023 - June 30, 2024) - $500,000 estimated funds available, subject to County Council appropriations. The Recycling Grants Program potentially funds all diversion and zero waste initiatives that may or may not include projects related to the Electronic Device Recycling Program. **Glass Advance Disposal Fee Program:** • State funding is provided to the County through revenue generated from the Glass Advance Disposal Fee (HRS Chapter 342G Part VII; see State fact sheet for additional information). In FY 2022, the County of Maui received $138,480.00 that was evenly distributed between two ADF processors. • Recycling Grant Program FY 2024 (July 1, 2023 - June 30, 2024) - $500,000 estimated funds available, subject to County Council appropriations. The Recycling Grants Program potentially funds all diversion and zero waste initiatives that may or may not include projects related to the Glass Advance Disposal Fee Program.
Estimated Annual Material Type Generation:	Not available.
Permitted Collectors and Recyclers/Processors:	**Deposit Beverage Container Program (HI-5 Program)[11]:** • Aloha Recycling • Aloha Shell • Reynold's • Haiku Recycling and Redemption Center • Makawao Recycling and Redemption Center • Kīhei Recycling and Redemption Center • Kahului Recycling and Redemption Center • Kilohana Mobile Redemption Center • Lahaina International Market[12] • Lānaʻi Recycling and Redemption Center • Molokaʻi Landfill, Recycling and Redemption Center **Electronic Device Recycling Program[13, 14]:** • E-Cycling Maui ReThink Recycling Center • Hana Landfill (tri-annual collection events)[15] • Lānaʻi Metals (e-Waste recycling events) • Molokaʻi -Naiwa Landfill & Recycle Center **Glass Advance Disposal Fee Program[16]:** Non-HI-5 certified glass containers can be recycled by residents using Drop-Off recycling bins at many County Recycling and Transfer Stations: • Central Maui Landfill Recycling & Refuse Recycling Center • Haiʻkū Recycling Center • Hana Landfill and Recycling Center • Kahului Recycling Center • Kīhei Recycling Center • Makawao Recycling Center • Olowalu Recycling & Refuse Center • Recycle Molokaʻi

News Articles:	**Hawai'i Deposit Beverage Container Program (HI-5 Program):** **November 2019 -** *MauiTime*: "HI-5 Redemption Centers Get Made-On-Maui Upgrades" **Hawai'i Electronic Device Recycling Program:** **June 2023 -** *Maui County*: "Hana Metals Recycling Event slated June 17-17 in East Maui" **May 2018 -** *Maui County*: "Electronic Recycling Restrictions Begin" **Glass Advance Disposal Fee Program:** **August 1997-** *Recycling Today:* "Challenges in Island Recycling" **May 2022 -** *KHON 2:* "Turning Hawaii's glass trash into treasure one bottle at a time"
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** – The County plans to continue to support and participate in the State HI-5 DBC Program, the Glass Advance Disposal Fee Program, and the Electronic Device Recycling Program. Hawaii Deposit Beverage Container Program (HI-5): The County of Maui may assist in addressing issues around developing and executing procedures to verify data by hosting and/or administrate staff assigned with specific duties intended to mitigate reporting errors. Glass Advance Disposal Fee Program: The County of Maui continues to receive negative feedback from the ADF processors concerning that the monies received from the program do not cover the cost to process or ship the glass. An increase in the monies received for Maui County would incentivise the ADV processors to continue processing ADF glass. Electronic Device Recycling Program: The County of Maui has noted the decrease in types of electronics that are recyclable due to the declining markets and intends to continue supporting producer responsibility initiatives that may increase recyclability of a wider range of electronics. **Potential Solutions** – N/A

[1] County of Maui Integrated Solid Waste Management Plan – Chapter 2 (mauicounty.gov)
[2] County of Maui Integrated Solid Waste Management Plan – Chapter 2 (mauicounty.gov)
[3] County of Maui Integrated Solid Waste Management Plan – Chapter 2 (mauicounty.gov)
[4] County of Maui Integrated Solid Waste Management Plan – Chapter 6 (mauicounty.gov)
[5] Office of Solid Waste Management Annual Report to the Thirty-Second Legislature State of Hawai'i 2023 (hawaii.gov)
[6] Maui County Code Chapter 12.54 - Recycled Glass Product Requirements for County Funded Projects (municode.com)
[7] Maui County Code Chapter 20.22.020 - Glass recycling requirements (municode.com)
[8] County of Maui Integrated Solid Waste Management Plan – Chapter 6 (mauicounty.gov)
[9] H.B. NO. 1640 H.D. 2 S.D. 1 (hawaii.gov)
[10] HB 1640 HD2 SD1 CD1 (hawaii.gov)
[11] Resource Directory (mauicounty.gov)
[12] Operators of Certified Redemption Centers (hawaii.gov)
[13] E-waste Collection Locations (hawaii.gov)
[14] County of Maui - Resource Directory (mauicounty.gov)
[15] County of Maui Integrated Solid Waste Management Plan – Chapter 6 (mauicounty.gov)
[16] County of Maui Recycling Centers (mauicounty.gov)