

bottles and jars, metal cans, newspaper, paper bags, corrugated cardboard and white and colored office paper.

- c. Condominium Recycling – The City continues to promote condominium recycling through a program reimbursing condominium properties for costs associated with the start-up of a recycling program, and additionally provides technical assistance, educational materials, wheeled carts and guidance in establishing collection services.
- d. Electronic Waste (e-waste) – A State law requiring manufacturers to provide take-back programs for electronic waste went into effect January 1, 2010, and is administered by DOH. In general, the covered electronics include computers and televisions. Collection and recycling of e-waste has increased, but the law is weak in its requirements for the manufacturers to achieve recovery goals or to provide consumer convenience in take back programs. In 2015, the law was amended to require electronic device manufacturers to establish drop-off locations for e-waste and prohibited mail-back only recycling options for some devices. ENV continues to work in collaboration with DOH and local e-waste recycling companies to support local programs and legislative proposals.
- e. Business Recycling Programs – The City continues to provide assistance to commercial sector recycling efforts and to ensure compliance with mandatory recycling policy established in the mid 1990's, which requires office buildings to recycle office paper, bars/restaurants to recycle glass and a variety of food operations to recycle food waste. It is no longer mandatory for Advance Disposal Fee ("ADF") glass to be sorted by the liquor establishments but the recyclers still receive ADF glass through their commercial accounts. The City suspended the ADF portion of the glass relating to the glass ordinance but the City still receives the State Subsidy for ADF glass the recyclers are collecting. State legislation is needed to increase the fee to lift the suspension on the ADF glass. Disposal site bans/restrictions divert materials from WGSL and H-POWER, including green waste, cardboard, metals, tires, auto batteries, and e-waste. The City is encouraging businesses to generate less food waste and to support food security programs. The City provides technical assistance to businesses for designing and implementing recycling programs through how-to guides, workshops and on-site support, and works collaboratively with the State's Green Business Program.
- f. Plastic Bag Ordinances – As of July 1, 2015, businesses are prohibited from providing plastic checkout bags and non-recyclable paper bags to their customers at the point of sale. Per Ordinance 12-8, amended by Ordinance 14-29, ENV is responsible for implementing and enforcing the ban. All information pertaining to the ban is also posted online on www.Opala.org. Businesses are required to submit annual compliance information to verify their compliance with the ban. The ban was amended by Ordinance 17-37, in

2017 to require businesses to charge a minimum of 15 cents per bag for reusable, recyclable paper or compostable bags to customers at the point of sale, effective July 1, 2018. Beginning January 1, 2020, compostable bags were banned and plastic film bags were no longer considered to be reusable bags. The ban was amended by Ordinance 19-30 changing the definition of “plastic” and amending the definitions for “plastic checkout bag” and “plastic film bag”.

- g. Disposable Food Ware Ordinance – Parts of Ordinance 19-30 took effect on January 1, 2021 and has been termed the Disposable Food Ware Ordinance or DFWO. To continue with the City’s efforts to educate the public and business effected by Ordinance 19-30, the City provided an additional 90-day “Education Period” from January 1 to March 31, 2021. The intent of the DFWO is to protect human safety and welfare and to improve environmental quality on the island, in the neighboring marine environment and globally. The DFWO affects all food vendors and businesses operating within the City. The DFWO amends the Oahu Plastic Bag Ban and restricts the use and sale of polystyrene foam food ware, disposable plastic food ware and disposable plastic service ware. It also dictates when disposable service ware may be provided. Inspections for compliance with Ordinance 19-30 began in June 2021.
- h. Public education – Public education regarding recycling is ongoing and includes the distribution of brochures and print materials, dissemination of information via the www.Opala.org website, WasteLine e-newsletter and virtual presentations. There has been an increase in social media participation to assist with the public education program. Source reduction will be another component to add to our public education program. The City is in the process of revising ENV website to include a new website to replace www.Opala.org. The new website is to launch in July 2021. The current website will still be active while the new website is on-line. There will be a transition period to phase out www.Opala.org.

Composting workshops – Composting workshops presented by City staff were reinstated as part of the City’s public education program. The workshop teaches residents to manage green waste at home by utilizing the green cart for large items such as branches and to aerobically compost the grass trimmings, leaves and small diameter branches. The City is also gathering information to provide food waste composting through the use of worms called vermiculture and beneficial microbes with the Bokashi method. Due to the pandemic, composting workshops are through a virtual format.

Recycling education in the schools – Recycling education shows presented by the Honolulu Theatre for Youth (“HTY”) combined with classroom activity books educate our youth to become expert recyclers and encourage them to support their family to properly sort their waste at home. Every year, the

program reaches approximately 20,000 students and teachers. The 11th 2020-21 season included a feature on HTY's HI-Way program aired through the television media. This program features environmental issues including solid waste management and concludes in late February. The program switch was due to the pandemic.

FUNDING ARRANGEMENTS

Funding arrangements for the landfill and alternate technologies have been requested and approved for the Fiscal Year 2021 (Ordinance 20-23) and 2022 (Ordinance 21-21) Capital Improvements (CIP) Budgets. Copies of the CIP budget ordinances are available on the Honolulu City Council website www.honolulu.gov/council, follow the link to Council Bills, Resolutions, and Communications.

CONCLUSION

The foregoing report is submitted in accordance with reporting requirements set forth in the LUC Order dated November 1, 2019. This report focuses on the status of ENV's efforts to identify and develop one or more landfill sites that shall either replace or supplement the WGS� and the 17 Conditions contained in the LUC Order. Also discussed are the further progress of WGS� operations and the City's active efforts to reduce waste volume that is directed to WGS�.

The City intends to continue its efforts to ensure proper solid waste management for the people of Oahu, in close coordination with applicable regulatory agencies and decision-makers.