Recycling and Disposal Guide for Oahu

Opalavision on **the green channel**

Channel 332 and on the web at **opala.org**

OCEANIC TIME WARNER CABLE

Redefining trash TV in a new era of television

Watch "Opalavision" on The Green Channel and on the web at **opala.org.** New episodes added regularly, with an archive of dozens to keep you entertained. Select stories of interest to you – it's interactive. Hawaii's The Green Channel is the nation's first eco-conscious television network. It's locally produced and provides viewers a central source of information about preserving our environment, island-style. The Green Channel's "Opalavision" stories focus on recycling and intelligent waste management, one of today's most important issues contributing to our island's sustainability. The Opalavision programming is supported by the City's Department of Environmental Services.

Be Opala Akamai

Please take the time to learn more about all the stuff we throw away, and how you can help sort it out. How we manage our island's waste will affect generations to come. Increasing recycling and waste-to-energy will benefit the environment and divert thousands of tons from the landfill.

Oahu generates more than 1.5 million tons of waste annually of which more than one million tons are diverted from landfill through recycling and H-POWER waste-to-energy. More than 500,000 tons of various materials are remade into new products, and another 500,000 tons are converted into electricity.

We can and need to do more. With increases in recycling and WTE, we can expect to send little more than ash and residue from processing technologies to island landfills. New expansions to H-POWER have increased its capacity by an additional 300,000 tons. Curbside recycling is islandwide. Let's work together to sort it out for a sustainable future.

Mahalo,

Department of Environmental Services
City & County of Honolulu
Kirk Caldwell, Mayor

Look inside for helpful information on...

Curbside Recycling

The 3-cart system is islandwide for refuse, green waste and mixed recyclables.

Recycling Centers

Redeem HI-5 deposits and drop-off other recyclables at islandwide locations.

Condo Recycling

Reimbursement for program startup costs available up to $2000.

Bulky Item Collection

Regular, monthly pickup schedules for all areas of the island.

Household Hazardous Waste

Bi-monthly drop-off events.

Business Recycling

Reduce waste and save on disposal costs. Online resources, design guidelines, model programs.

Education + Schools

Learn more at the annual Discover Recycling Event. Sign up for Tour de Trash. Resources for recycling projects and activities to educate our keiki and raise funds for your school.

Learn more at **opala.org**

Paid for by the taxpayers of the City & County of Honolulu

ENV_Brochure_20140717.indd 1 10/9/14 6:31 AM

Recycling Refuse Collection Service

Refuse collection schedules changed as curbside recycling integrated into the City's collection system. Your neighborhood is serviced twice per week: Monday/Thursday, Tuesday/Friday or Wednesday/Saturday. One day is designated for refuse pickup and the other for recycling pickup. Most island homes are using the wheeled carts provided by the City. Some neighborhoods, where automated collection is not possible, are serviced with a manual collection system using your own 35-gallon containers. The manual service is twice weekly, and does not include separate recycling as yet. Apartment dwellers should follow directions for recycling/disposal provided by your property management.

Curbside Recycling

3-Cart Refuse / Recycling Collection

Blue cart for mixed recyclables. Green cart for green waste. Gray cart for refuse. Your neighborhood's weekly collection schedule includes one refuse day and one recycling day (alternating weekly between the blue and green recycling carts). Collection schedule maps and monthly calendars to track the alternating recycling days are posted online at **www.opala.org**.

Islandwide expansion for the 3-cart curbside recycling collection system was completed in May 2010, including a total of 160,000 homes. Recycling was added to the automated collection areas first, and plans for the manual collection areas will follow.

Condo Recycling

Most multi-family buildings have private refuse hauling services contracted by your property management. Recycling programs require similar coordination through your association of apartment owners and property management.

Recycling offers condominium and apartment buildings an opportunity to lower refuse costs. Establishing a program in your building to separately collect aluminum, glass, plastic, newspaper, cardboard and green waste reduces the volume of material in your refuse dumpster. The City can help with recycling containers, technical assistance and reimbursement for start-up costs – **www.opala.org** or call 768-3200.

For all curbside collection services:

Refuse, Recycling and Bulky Items

» Place at the curb by 6:00 am and no earlier than the evening before your scheduled collection day.

» Keep containers (and bulky items) on your property during non-collection days.

» Pickup access should not be blocked by objects or vehicles. Allow 5 feet between cart and any object. Allow 2 feet between carts, if setting out more than one.

» Holiday Collections – The City provides scheduled collection service on all holidays except Christmas Day and New Year's Day. When your refuse day falls on these holidays, the missed collection will be made up on the following 1-2 days. Please leave the gray cart at the curb until it is serviced. In manual collection areas with twice weekly refuse service, please hold your refuse for the next scheduled day. Recycling days that fall on the holidays will not be made up. Please hold mixed recyclables and green waste for the next scheduled pickup. Bulky collection is conducted over a 3-4 day period, and the crews will continue on the days following the holiday.

For refuse and recycling:

» Carts must be placed at the curb facing out.

» All material must fit in the cart with the lid closed. Carts with green waste, refuse or boxes protruding out the top cannot be collected. Please cut branches and flatten boxes. Crush and compact refuse to reduce volume in your gray cart.

For refuse:

» Securely bag all refuse, especially organic food and pet waste. Periodically rinse out your gray cart to control odor and vectors.

Learn more at **opala.org**

Special Wastes and Drop-Off Sites

Bulky Item Collection

Bulky item collection is provided to all residential properties on a no-call, regular monthly schedule: **www.opala.org** or call 768-3200. Pickup is conducted over a 3-4 day period. All your items must be placed at the curb fronting your property by 6:00 am on the first day, or they may not be collected. Separate trucks are used to collect recyclable metals versus H-POWER-bound items, and may drive through your neighborhood at different times. Bulky items must not be placed at the curb any earlier than the day before your collection day, or you may be subject to fines.

There's no excuse to dump on Hawaii.

Collection services are readily available. Refuse and recyclables are collected curbside weekly, bulky items monthly, and drop-off centers are available around the island. Please call 768-3300 to report any illegal dump sites. If you witness someone illegally dumping, call 911 immediately.

DON'T DUMP On Hawaii

Drop-Off Facilities

Multi-Material Recycling Centers

Drop off ALL your mixed recyclables! Redeem HI-5 deposit beverage containers and drop-off other recyclables, including metal cans, glass bottles/jars, plastics 1 and 2, newspaper, white/colored paper, ewaste.

For a complete list of islandwide locations, visit **opala.org**

Drop-Off Convenience Centers for Refuse & Recycling

Household rubbish, appliances, furniture, tires, auto batteries, propane tanks, green waste; be prepared to sort items into separate containers for recycling and disposal: combustibles bin, which is taken to H-POWER; green waste bin, which is taken to the composting facility; and designated areas for tires, batteries, appliances and propane tanks. Follow the guard's instructions. Six locations: Waimanalo (Hihimanu St. near sewage treatment plant), Waipahu (Waipahu Depot Rd.), Ewa Beach (Geiger Rd.), Waianae (off Plantation Rd.), Laie (Kamehameha Hwy., behind City baseyard), Wahiawa (Wilikina Dr. at Kamananui Rd. intersection). Open daily, 7:00 am - 6:00 pm.

Household Hazardous Waste

Bi-monthly drop-off events on Saturday by appointment only. Call 768-3201. More information, product lists and disposal instructions at **www.opala.org**.

Transfer Stations

Similar to Convenience Centers, with some restrictions. Keehi Transfer (Middle St.) open 12:00 pm - 6:00 pm Monday through Saturday (closed Sunday). Kapaa Transfer (Kapaa Quarry Rd., Kailua) open 10:00 am - 6:00 pm Monday through Friday, 7:00 am - 6:00 pm weekends. Kawailoa Transfer (off Kamehameha Hwy., Haleiwa) open 7:00 am - 6:00 pm daily. Keehi Transfer accepts combustible material only.

Mulch/Compost Facilities

Green waste, such as leaves, branches, trimmings, palm fronds, stumps. Hawaiian Earth Recycling Facility.

Waimanalo Gulch Sanitary Landfill

Disposal only; no recycling options. Located off Farrington Hwy. West of the Ko Olina exit. Open 7:00 am – 4:30 pm daily.

SORT IT OUT

for **recycling** & **energy.**

mixed recyclables

tip Place a small container in your kitchen for your family's convenience. All recyclables can be mixed together in the blue cart, so you only need a single container.

- » **Curbside Blue Cart**
- » **Recycling Centers**
- » **Condo Programs**

Metal Cans
Aluminum & steel. Rinse.

Glass Bottles and Jars
Rinse, remove and discard lids and tops. Includes containers for beverages, wine, spirits, food.

Newspaper
Remove magazines and glossy inserts.

Corrugated Cardboard
Flatten boxes. No single-layer flatboard, such as cereal boxes and tissue boxes.

Plastic Containers
1 and 2 ONLY

Rinse, remove and discard lids and tops. Look for the plastic number code in a triangle embossed on containers.

White & Colored Office Paper
NO envelopes, junk mail, tape, stick-on labels, rubber bands, magazines, or shredded paper. Staples are okay.

NOTE: *Deposit all items loose into your blue cart. Do not bag, tie or bundle recyclable materials.*

green waste

tip Deposit green waste LOOSE. No bags, please! Plastic is not compostable.

- » **Curbside Green Cart**
- » **Drop-Off Centers**

Yard Trimmings

Leaves

Grass Clippings

Christmas Trees
No ornaments, tinsel or flocking.

refuse

tip Bag all trash to prevent odors, vectors and litter.

- » **Curbside Gray Cart**
- » **Dumpster**

Plastic bags

Styrofoam

Telephone books

Cereal boxes
and other flatboard.

Junk mail or magazines

Plastic containers
other than #1 and #2 (plastic codes #3 - #7)

Other glass
such as ceramics, dishes, glassware, window glass, light bulbs, and mirrors.

General household rubbish

Learn more at **opala.org**

How is it used?

The story of new products, compost, energy – **nothing to landfills.**

Mixed Recyclables

are sorted and shipped to remanufacturing facilities to be made into new products.

Recycled glass is used in new container glass, "glasphalt" road pavement and fill material in construction.

Recycling aluminum to make new cans and other aluminum products cuts energy use in production by 90%.

Recycled plastic is used to make new plastic containers, plastic lumber, carpet and textiles.

Recycled newspaper and cardboard become new newsprint, boxes and tissue paper.

Did you know...

"Post-consumer" recycled content means that the product was made from materials recovered after consumer use. Look for the recycled content logo on products you buy.

Green Waste

is locally composted to produce a variety of soil amendment products.

Local mulch and compost products are sold as Menehune Magic in garden shops or you can buy direct from Hawaiian Earth Recycling.

Mulch is coarsely ground, partially cured green waste. Use as ground cover to prevent erosion. Spread around trees and garden beds to retain moisture and limit weed growth.

Compost is fully processed, ground green waste with the look of rich soil. Use as a top dressing or mixed with other soils for potting and planting to add organic nutrients.

Did you know...

Leaving grass clippings on your lawn adds nutrients. One full year of "grasscycling" equals one fertilizer treatment.

Refuse

is processed at the H-POWER waste-to-energy facility to produce electricity.

H-POWER incinerates waste and generates 10% of Oahu's electricity – 70 megawatts of power, enough to power 60,000 homes.

H-POWER provides an alternative to fossil fuels and contributes to our island's energy sustainability.

H-POWER recycles virtually 100% of the metals from the mixed waste. Metals are extracted using magnets and eddy currents.

Did you know...

The low-grade papers and plastics not designated for the recycling bins are combustible, and provide greater benefit in local energy production than shipping to distant markets.

Other Refuse

Appliances

Large appliances collected by the City, appliance dealers and private refuse haulers are delivered to a metal recycler. • Arrange for the appliance dealer to remove your old appliance when they deliver your new one. • Place at curb for City bulky item pickup. • Drop off at City Convenience Centers for Refuse & Recycling or at Kapaa and Kawailoa Transfer Stations. • Commercial entities should deliver directly to the recycling facilities.

Batteries

Give your old auto batteries to the dealer when purchasing new ones or you may take them to the City Convenience Center nearest you. State law requires the dealer to accept and recycle them. • Drop off rechargeable batteries from cell phones, computers and power equipment in special collection boxes at Best Buy and Home Depot. • Regular alkaline batteries (A, C, D type) can be safely disposed of with your regular refuse collection. Manufacturers no longer use heavy metals in their production.

Electronic Waste (e-waste) Computers

Donate old functional computers to local organizations. • Take non-functional computers to local recycling companies (see list on back). • Recycle e-waste through retailer and manufacturer takeback programs. • Okay to dispose of home computers with regular trash or bulky pickup. • Commercial e-waste is banned from disposal. More detail online at **www.opala.org**.

Cell Phones

Old obsolete cell phones can be donated to organizations for reuse and recycling. Ask your service provider and/or go online at **www.opala.org** for a list of organizations. Many provide pre-paid shipping labels.

Used Oil

Motor oil, cutting oil or fuel oil can be disposed with your regular household rubbish. Use an oil change box or pour into a plastic bag with an absorbent material and seal the bag. • Commercial generators must handle and dispose of used oil in accordance with EPA and State Department of Health guidelines.

Autos

All junk autos are recycled. To arrange for free auto junking service for your car, call 532-4325 or go to a Satellite City Hall. To report abandoned autos, call 733-2530.

Tires

Give your old tires to the dealer when purchasing new ones or you may take them to the City Convenience Center nearest you. State law requires the dealer to accept and recycle them. • Tires are banned from disposal sites. Commercial generators should deliver to recycling facilities.

Propane Tanks

Do not throw in trash. If propane tanks get into H-POWER, they may explode! • Take propane tanks to any City Convenience Center for Refuse & Recycling.

Furniture, Mattresses

Place at curb for bulky item collection. • Drop off at City Convenience Centers for Refuse & Recycling, Kapaa and Kawailoa Transfer Stations or the landfill. • Commercial entities should deliver directly to H-POWER.

Hazardous Chemicals

Call the Household Hazardous Waste Info-Line at 768-3201 to schedule an appointment for the next drop-off (held bi-monthly). Limited quantities will be accepted from each householder. • Commercial generators must handle and dispose of hazardous material in accordance with EPA and State Department of Health guidelines.

Paint

Small quantities generated at home can be disposed of with your regular household rubbish. Latex paints can be hardened in the can, then thrown away. Oil-based paints must be solidified with an absorbent material, such as shredded paper, old rags, or sawdust, then sealed in a plastic bag. An oil change box provides the same results. • Commercial generators must handle and dispose of paint in accordance with EPA and State Department of Health guidelines.

Rock, Dirt, Concrete

Do not throw in trash. • Deliver to the Waimanalo Gulch Sanitary Landfill (Leeward Oahu). • Commercial generators are restricted from the Waimanalo Gulch Landfill and can deliver to crushing/recycling facilities or take to the construction and demolition landfill in Nanakuli.

ENV_Brochure_20140717.indd 6 10/9/14 6:31 AM

Business Recycling Assistance

The **opala.org** website offers model recycling program, peer consultants and detailed guidelines for designing recycling systems, employing waste prevention strategies, buying recycled products and educating employees.

Mandatory Recycling Laws

Most Oahu businesses are affected by one or more of the City's mandatory recycling laws. Bars and restaurants are required to recycle ***glass***. Office buildings with 20,000 square feet of office space are required to recycle ***office paper, newspaper*** and ***cardboard***. ***Food waste*** recycling is mandatory for businesses that generate large volumes including hotels, large restaurants and grocery stores, hospitals and food manufacturers/processors. ***Green waste*** and ***cardboard*** are restricted at City disposal sites to no more than 10% of a truckload. Large commercial generators, such as landscapers, property managers, and shopping centers, must separate this material for delivery to recycling and composting facilities. ***Tires, auto batteries, white goods*** (appliances), ***scrap metal*** and ***commercial e-waste*** are all banned from disposal sites and should be recycled.

Buy Recycled Products

Look for the recycled-content label on products when you shop, and be especially watchful for locally made recycled products to support our local recycling collection efforts. Local recycled products include mulch/compost, glasphalt, crushed glass garden sculptures, crushed glass for construction fill, oil change boxes, hydromulch, cellulose insulation, and biodiesel fuels. Free mulch may be available at Hawaiian Earth Recycling. Call to check on availability and additional locations. More product and company information at **www.opala.org**.

Education and School Recycling Assistance

Teachers!

Click on the Learning Center at **www.opala.org** for ideas for classroom recycling activities, field trips and campus recycling projects. And don't miss the annual Discover Recycling, a one-day event to introduce educators to recycling resources for your schools and classrooms, including student activity books and recycling education shows.

Students!

Use the **opala.org** website to help you with recycling projects and papers. Click on the News link for archived stories on waste and recycling issues in the local and national news. Click on the Media Library for video clips, recycling songs, photos, graphic art and recycled art. Use these to enhance posters, banners and PowerPoints. The Resource Library provides technical studies, Oahu recycling rates, mandatory recycling laws, recycling company lists, guidelines for conducting a waste audit and designing recycling systems, and a glossary of waste/recycling terms. You could create a really cool project or report.

Schools and Non-Profit Organizations!

Raise funds with HI-5 collection events. Recycling companies offer big recycling bins and trailers for consolidation and transport. The City offers smaller collection containers to capture HI-5's at sports and community events, guidelines for organizing your event, and banners to promote it. Click on the link to HI-5 Collection Drive in The Learning Center at **www.opala.org**.

Subscribe online to WasteLine,

a bi-monthly e-newsletter which profiles successful community and business recycling programs, innovations and technology, and opens discussions on new directions in the City's waste management and recycling programs. You can stay in the loop, talkin' trash, connected to the resources with a click of your mouse.

Sign up for Tour de Trash,

a FREE bus tour of Oahu's trashier side. Select from four scheduled tours to get an up-close look at recycling and waste processing operations on Oahu and successful recycling programs implemented by island businesses. Teachers and groups can call 768-3200 for more information about arranging custom tours.

City and County of Honolulu
Department of Environmental Services - Refuse Division
1000 Uluohia Street, Suite 201
Kapolei, Hawaii 96707

Recycling and Disposal Guide for Oahu

Learn more at opala.org

Contact Us

Refuse and Recycling Services	768-3200
Refuse Division	768-3401
Recycling Office	768-3200
Household Hazardous Waste	768-3201
H-POWER Waste-to-Energy	768-5455
Waimanalo Gulch Landfill	668-2985

DROP-OFF CONVENIENCE CENTERS

Ewa	226-2996
Laie	293-8714
Wahiawa	621-3648
Waianae	696-4203
Waimanalo	259-7182
Waipahu	676-8878
Kapaa (Kailua)	262-4248
Keehi (Honolulu)	845-1162
Kawailoa (Haleiwa)	637-5511

REFUSE, RECYCLING, BULKY COLLECTION

All Oahu Neighborhoods	768-3200

Honolulu (Foster Village to Hawaii Kai)
Kapaa (Kailua, Kaneohe, Waimanalo)
Koolauloa (Kahuku to Kahaluu)
Pearl City (Waipio Gentry, Royal Kunia, Waipahu, Halawa to Makakilo, Pearl City, Kapolei)
Wahiawa (Wahiawa, Kunia Camp, Mililani, Waipio Acres)
Waialua (Waialua, Haleiwa, Sunset)
Waianae (Makaha to Honokai Hale)

BULKY ITEM COLLECTION 768-3300
(recorded schedule information)

Recycling Companies

Multi-material (aluminum, metal, glass, plastic, paper)

CM Recycling (no paper)	842-6640
Honolulu Recovery Systems	842-3602
Island Recycling	682-9200
Lenox Metals	682-5539
Reynolds Recycling (metals, aluminum, glass, plastic)	487-2802
RRR Recycling Services	682-5600
Island Shell (paper only)	487-1100

Auto Batteries

Battery Bill's	833-3797
Interstate Battery	676-6000

Yard Waste/Untreated Wood

Hawaiian Earth Recycling	682-5895

Metals

Okuda Metal	845-6856
Han's Metals	676-4797
Schnitzer Steel Hawaii	682-5810

Motor Oil/Tires/Freon (commercial only)

Unitek (motor oil, tires)	682-8284
Philip Services (motor oil)	682-3033
Refrigerant Recycling (freon)	682-1555
Leeward Auto Recycling (tires)	682-5515
Island Recycling (tires)	682-9200

Computers/e-Waste

Enviroservices	839-7222
Intrade Corporation	847-5300
Philip Services*	845-0032
Pacific Commercial Services	545-4599
Pacific Corp Solutions	488-8870
Pacific Environmental Corp (PENCO)	545-5195
T & N Services	371-0281

**commercial only*

For other categories, including commercial food waste and printer cartridges, see list at ***www.opala.org***

Printed on Recycled Paper