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Hawai'i Beverage Container Deposit Program

An Educator's Guide

www.hi5deposit.com





Hawai'i Beverage Container Deposit Program

An Educator's Guide

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Hawai'i Beverage Container Deposit Program

An Educator's Guide

The Hawai'i State Department of Health, in conjunction with the University of Hawai'i Sea Grant College Program, is pleased to provide you with the information contained in this Educator's Guide. We hope that you will find these materials both informative and helpful, and thank you for your interest and commitment to our communities through recycling.

This guide provides information to assist in establishing a fundraising program in your classroom or school and includes details on local recycling companies, the services they provide, and how to contact them. You will also find a listing of certified redemption centers and updates on recycling topics. Because the deposit program is new and continues to develop, additional information can be found at www.hi5deposit.com.

To support your efforts, this kit also provides a list of schools and their recycling/fundraising activities, with tips and methods to help make your efforts successful! Also included is a listing of websites with recycling information, resources for teachers, and recycling links for kids.

Successful deposit programs in other States have demonstrated a 75-80% recycling rate. Although Hawai'i's program just recently began, there has already been a significant response. Since the start of the program on January 1st, 2005, Hawai'i's recycling rate has dramatically risen, but there is still a lot of work to be done to get more of our communities to participate. Hawai'i's schools can help our State achieve the highest recycling rate possible, and this Educator's Guide is designed to assist you in this effort.

We sincerely hope that these materials will be of value to your school and that the lessons learned through recycling activities will serve our communities for years to come.

It's good for you. It's good for the 'āina.



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To all those who generously shared their photographs with us.

To all of the students and teachers who participate in recycling programs!



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What is the Deposit Program?



Every year over 800 million beverage containers are sold in Hawai'i -- that's over 650 per person in the State! The deposit program provides an incentive for people to recycle these containers. Here's how it works:

- When you buy a beverage container marked with a HI 5¢ deposit label, you pay a 5¢ deposit and a 1¢ container fee.
- The 1¢ container fee is non-refundable and pays redemption centers to process and recycle the containers.
- The 5¢ deposit is refunded to customers when they take their empty containers to a redemption center to be recycled.
- Unredeemed deposits and container fees help with recycler's shipping costs and to pay for other program costs (such as redemption site development and recycling education).
- What can be recycled: glass, aluminum/bi-metal, plastic (#1 and #2) containers, size 64 ounces or less, marked with a HI 5¢ deposit label. Milk, wine, and spirits are excluded from the deposit program regardless of container type.



Courtesy City & County of Honolulu

Take your non-deposit containers to the nearest white community recycling bin!

What to do with your non-deposit beverage containers

You can recycle non-deposit beverage containers too! See the Redemption Centers section of this guide to locate your nearest recycling center and visit www.opala.org/recycling_at_home/recycling_companies.html for a complete listing of recycling and composting companies.

You can also recycle non-deposit containers, as well as certain paper products, at the white community recycling bins located at various schools and shopping centers. Proceeds from the sale of the materials go to the schools. For more information, visit www.opala.org/recycling_at_home/community_recycling_centers.html.

Examples of non-deposit containers:

- wine bottles
- milk cartons
- tuna cans
- laundry detergent bottles

For more details on the deposit program and beverage containers, see: www.hi5deposit.com/support/ConsumerInfo.pdf

How Students Can Participate

Here are some simple steps to prepare your containers for the recycler. This will make redeeming them quicker and easier.



- Sort deposit containers from non-deposit containers. Deposit containers are labeled on the side or top with markings such as: HI 5¢ or Hawaii 5¢ or “CT, **HI**, IA, ME 5¢.”
- Sort by material type (glass, aluminum/bi-metal, plastic).
- Remove container caps.
- Empty containers of liquid or other foreign material. Rinsing containers is optional.
- If you bring in a large number of containers (over 50) to a redemption center, the recycler may choose to weigh the containers. You will be paid by “segregated weight” based on the average number of containers per pound.
- There may also be special sites and times that recyclers will not accept very large loads (over 500 containers) and may direct you to a larger recycling facility.
- If you are coordinating with a recycling company to pick up your recyclables, be sure to ask about specific requirements.



Cheryl Yamamoto

Bags of aluminum cans collected during a can drive held at Āina Haina Elementary School.

Go On, Crush That Can!

As of July 7, 2005, you can crush your cans and bottles and still redeem your HI 5¢ deposit! Governor Linda Lingle signed House Bill 1015 into law, creating Act 206 which allows the flattening of metal and plastic deposit beverage containers for deposit redemption. This means that when you take your flattened containers to a redemption center, they may weigh the materials (over 50 containers) to determine your deposit payment.

Keep in mind, however, that if you plan to redeem your deposit by using a Reverse Vending Machine your container must NOT be crushed, as these machines need to be able to read the bar code located on the body of the container.

Benefits of Participating



- You can raise unrestricted, unlimited funds for your school or organization to pay for needed projects.
- Your participation helps to expand our recycling industry and create more jobs.
- Recycling helps reduce trash and extends the life of our landfills.
- Recycling saves resources, energy, and money.
- Less litter means cleaner beaches and parks, free from broken glass and sharp aluminum.
- Less trash means taxpayers and government agencies save money on garbage disposal.
- Recycling helps protect natural habitats and decreases water and air pollution.
- Educate your peers. By recycling, you set an example for your family, friends, and neighbors.



Courtesy National Marine Fisheries Service

Albatross chicks in the Northwestern Hawaiian Islands rest amongst the marine debris, including recyclable containers.

Opportunities for Schools to Raise Funds



Andy Yamaguchi

Kailua High School raised \$1,070 from a can drive in May 2005 that will help fund Project Graduation 2007.

There are many ways to utilize the Hawai'i Beverage Container Deposit Program to raise funds for your school or group. Here are a few ideas to get you started:

- Collect containers from your community – friends, family, co-workers, etc.
- Bring your recyclables from home to a school container-drive.
- Set up special recycling bins next to trash cans at school (in cafeterias, teachers lounge, athletic areas, etc.).
- Contact recycling companies for special programs.
- Check out the City and County of Honolulu's school fundraising program which offers 96-gallon green bins for container collection (www.opala.org/green_bins.htm).
- Talk to the City and County of Honolulu's Office (808-692-5410) about the white community recycling bins for collection of non-deposit recyclables (with proceeds going to schools).



Courtesy Sierra Club, Hawai'i Chapter

When you involve the community, you can maximize your fundraising efforts.

- Several non-profit foundations also offer assistance to school and community based recycling programs.
- Partner with a business to offer collection services in exchange for the deposit.
- Set up a community pick up once a month.
- Set up Reverse Vending Machines or community bins on school grounds.

For more information on how to implement these and other ideas, see the Recycling Resources section of this Educator's Guide.

Thinking of holding a one-day container-drive?

ADVERTISE Your Fundraiser!

Simple steps like posting signs in visible places (on main roads, at school drop-off points, etc.), notifying parents and alumni, or a blurb in the newspaper will alert the community and increase donations of recyclables.

Helpful Hint: Give donors a small flier with upcoming fundraising dates and times. This handy reminder will encourage them to donate again.

Selected School Highlights

“Recycling has been an easy and profitable way for us to earn a few extra dollars,”

says Hale Kula Elementary School’s Principal, Jan Iwase.

Don’t miss out; your school can earn money too!

Since the start of the Hawai’i Beverage Container Deposit Program on January 1st, 2005, more than 100 schools across the State have actively participated in HI 5¢ recycling to raise funds for school related activities and school sponsored donations to charity. In just a few months, dozens of public and private preschool, elementary, intermediate and high schools have collectively raised several tens of thousands of dollars for a number of scholastic programs or organized contributions, including fundraising for sports teams, student councils, donations to HUGS, a non-profit organization supporting families of ill children, and to UNICEF for the victims of the December 2004 tsunami in Southeast Asia.

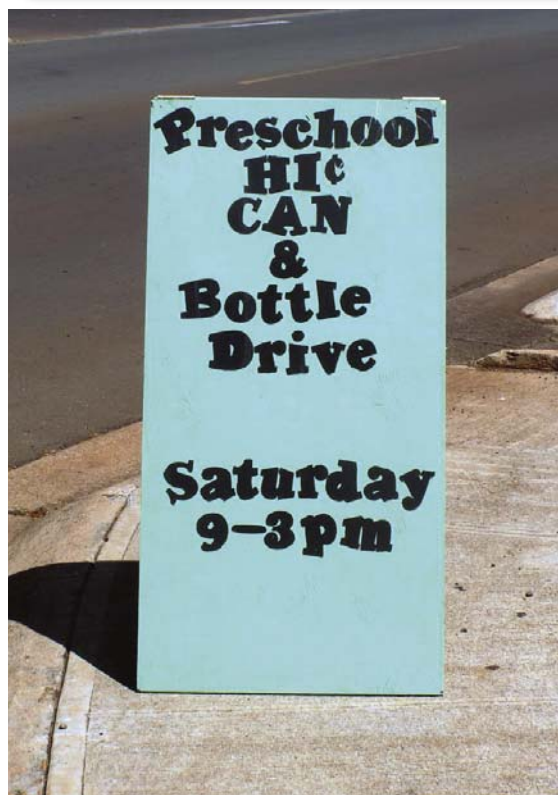
Organized bottle and can drives, collecting HI 5¢ items at events like school carnivals, or simply obtaining the City and County’s green bins for collecting containers at your school are some of the few simple ways you can raise money by recycling. Do it yourself, or work with a non-profit organization.

To help get you started, here are a few examples of how some of Hawai’i’s schools have used the HI 5¢ deposit program to raise funds:

- **Āina Haina Elementary School** held a one-day can and plastic bottle drive, and collected nearly 1,300 lbs of HI 5¢ items worth almost **\$1,800!** Parents of the school's students coordinated the event, bringing in Reynolds Recycling Company to trade cans and bottles for cash.
- **Kailua High School's** Project Graduation 2007 committee continuously collects HI 5¢ items from local area businesses and on campus, and holds a one-day drive the first Saturday of each month. In less than 6 months, through just five fundraising drives, they have raised a grand total of **\$5,806!** Kailua High's Project Graduation 2007 works with Honolulu Recovery Systems recycling company to get their cash, while their athletic department partners with Charitable Ventures, Inc. to fundraise through recycling.
- **Kainalu Elementary School** held a one-day drive in March, 2005 that has since evolved into an ongoing, daily HI 5¢ item drop-off site with quarterly collection from Reynolds Recycling. In the first two collections held during the course of three months, Kainalu Elementary raised almost **\$1,200.**



Andy Yamaguchi



Brittany Ortel

Signs announcing your fundraiser inform the community and increase donations.



- **Voyager Public Charter School** started their recycling efforts in February of 2005, with 160 students and nine teachers and staff collecting more than 2,400 plastic bottles and cans through lunchroom collections and by serving as a drop-off site for students, parents, teachers, staff and even a private company. Voyager works with Rolloffs Hawaii to trade their HI 5¢ items for real dollars.
- **Washington Intermediate School** volunteers participated in a large fund raising event that included partners such as The Honolulu Advertiser, Victoria Ward Centers, Sierra Club, Waikīkī Beach Boys Canoe Club, Mānoa Marketplace, Kapiolani Community College, 1 Day Signs, Civil Air Patrol, Cub Scouts, Reynolds Recycling, Island Recycling, and Rolloffs Hawaii. Together the team collected 150,000 bottles and cans over a weekend and raised a whopping **\$7,500**. Proceeds were donated to UNICEF to benefit tsunami victims.
- **Kama'āina Kids** annually holds a "Cash for Trash - 'Ōpala for Kālā" Campaign centered on Earth Day celebrations in April. Statewide, 7,000 Kama'āina Kids held a litter cleanup in neighborhood parks, beaches, and school campuses, collecting 21,000 cans and bottles. Taking advantage of the trash clean up event and of Earth Day activities conducted by the agency, Kama'āina Kids (through recycling-supplemented additional donations) raised a total of nearly \$70,000 for scholarships, educational supplies, facility upgrades and Kama'āina Kids programs statewide. Dozens of public and private partners helped organize the event, and Charitable Ventures, Inc. continues to assist Kama'āina Kids with their recycling efforts.

Schools which have already taken advantage of the City and County of Honolulu's Green Bins. Are you one of them?

Academy of the Pacific
Ānuenu School
Hahaione Elementary School
Hālau Kū Māna Public Charter School
Hale Kula Elementary School
He'eia Elementary School
'Iolani School
Iroquois Point Co-op Preschool
Ka'ewai Elementary School
Kaimukī High School
Kainalu Elementary School
Kalāheo High School
Kalani High School
Kapi'olani Community College
Kawaiaha'o School
KCAA Muriel Preschool
King Intermediate School
Ko'olau Baptist Academy
Leilehua High School
Likelike Elementary School
Lutheran High School of Hawai'i
Ma'ema'e Elementary School
Makakilo Elementary School
Mānana Elementary School
Mānoa Elementary School
Maryknoll High School
Mililani High School
Mililani Uka Elementary School
Nānākuli High School
Navy Hale Keiki School
Niu Valley Middle School
Our Redeemer Lutheran School
Palisades Elementary School

Pearl City Highlands Elementary School
Pūnana Leo O Ko'olaupia
Saint Louis School
Salt Lake Elementary School
Seagull School at Kailua
Seagull School at Kapolei
St. Patrick School
Star of the Sea Early Learning Center
Star of the Sea Elementary School
The Early Education Center
Trinity Lutheran School
Voyager Charter School
W.R. Farrington High School
Waikeola Preschool
Wilson Elementary School
Word of Life Academy



Voyager Charter School Recycling Committee members sort out aluminum cans to be placed in the school's green bins.

Karla Meek-Najita

Classroom Resources

Recycling Fun Facts

The approximately 800 million beverage containers purchased in Hawai'i each year add up to a lot of recyclable glass, aluminum, and plastic material! Here are some interesting recycling facts about beverage container materials:

Glass

- Glass is 100% recyclable.
- 80% of recovered glass bottles is made right back into new bottles.
- Approximately 32% of all glass is recycled in the United States.
- Glass can be recycled over and over again with no reduction in quality.
- Six tons of recycled container glass prevents one ton of carbon dioxide, a greenhouse gas, from being produced to pollute the atmosphere.
- A recycled glass bottle can return to the shelf as a new bottle in as little as 30 days.
- Recycling one glass bottle saves enough energy to power a light bulb for 4 hours.
- Recycled glass material is substituted for up to 70% of raw material in the production of new glass.
- 28,000 tons of glass is imported to O'ahu alone, 40% of which is recycled each year.
- A glass bottle recycled in Hawai'i could end up as glasphalt paving material. Check out the glasphalt paved walkways at the Honolulu Zoo!
- Other glass bottles from Hawai'i may be shipped to the Mainland to become new glass bottles.



Aluminum Cans

- 100% of aluminum cans are recyclable.
- Aluminum cans are recycled more than other bottle types.
- Every new aluminum can produced contains up to 55% recycled material.
- The energy saved from just one recycled can could power a light bulb for up to 20 hours or a TV for 3 hours.
- Throwing away one aluminum can is equivalent to throwing out half a gallon of gasoline.
- Enough aluminum is thrown out to rebuild the entire US commercial airline fleet every three months.
- There is no end to how many times an aluminum can could be recycled.
- The amount of energy to produce a new can from virgin materials is 95% higher than producing a new can from recycled materials.
- Using the same amount of energy, 20 cans could be made from recycled material versus just one can from virgin material.
- A recycled aluminum can could become a new aluminum can on a store shelf in as little as eight weeks.
- In 1972, a total of 52 million pounds of aluminum were recycled in the United States. Today, 52 million pounds of aluminum are recycled every week, that's about 106,000 cans every minute.
- An aluminum can takes several hundred years to decompose.





Plastic

- Nearly one and a half billion pounds of plastic bottles are recycled in the United States, but the current plastic bottle recycling rate in the States is only about 19%.
- A plastic bottle can take up to 1,000 years to degrade.
- An average household generates about 38 lbs of plastic bottles a year.
- Plastic bottles recycled in Hawai'i can end up as polyester clothing material for t-shirts, sweaters, carpet fiber, ski jackets and sleeping bag fiber fill.
- Plastic #2 bottles in Hawai'i can also be manufactured into plastic lumber.
- You can find plastic park benches and fencing for the petting zoo made from recycled materials at the Honolulu Zoo!

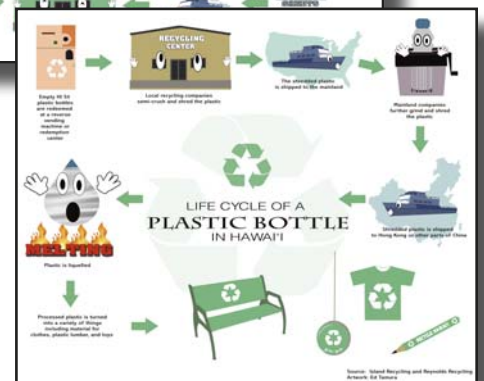
Sources: American Plastics Institute, Can Manufacturer's Institute, City and County of Honolulu Refuse Division, Container Recycling Institute, Glass Packaging Institute, National Association of PET Container Resources, National Resource Defense Council, The Aluminum Association, Inc.

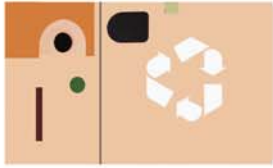
The Lifecycle of a HI 5¢ Deposit Beverage Container in Hawai'i

Now that you know the facts about beverage container materials, perhaps you'd like to know what may happen to those materials after you recycle them and redeem your HI 5¢ deposit.

On the following pages you'll find three diagrams which chart the lifecycles of glass, aluminum, and plastic bottles and cans in Hawai'i. They offer a fun, step-by-step explanation of where the materials go, how they are processed, and where they ultimately end up! The intent is to help you provide your students with a tangible idea of what typically happens to these materials when they are recycled. It's a playful way to show the cyclical nature of recycling which gives these materials a new lease on life!

The three lifecycle diagrams are also provided on the disc accompanying this Educator's Guide, to better assist you in reproducing additional copies and distributing these materials.

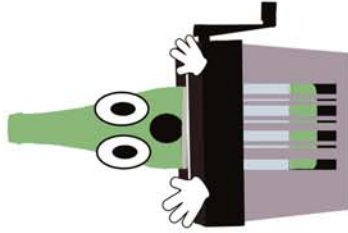




Empty HI 5¢ glass bottles are redeemed at a reverse vending machine or redemption center

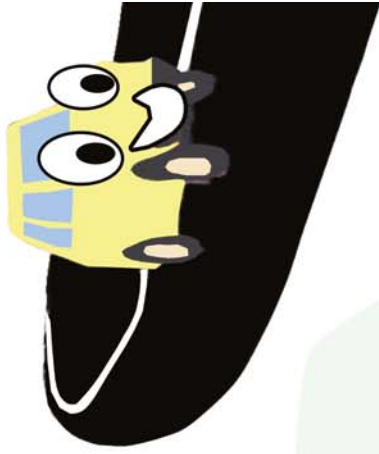


Local recycling companies semi-crush the glass

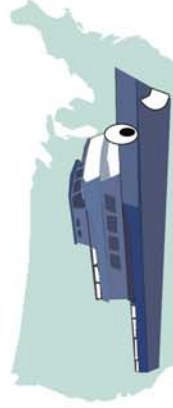
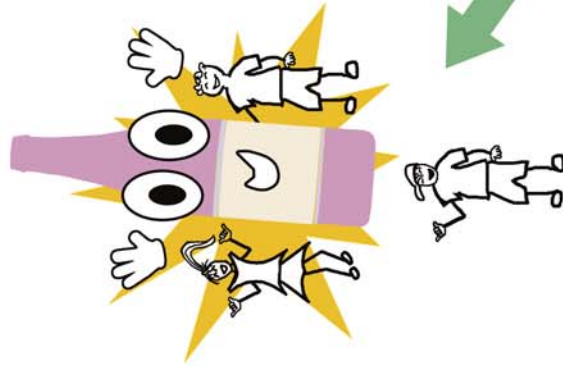


Glass is further crushed by local companies

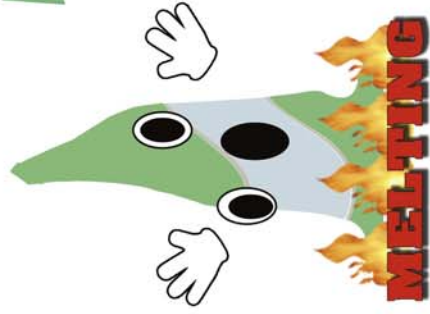
The crushed glass is used as asphalt pavement locally



New bottles are made and filled!



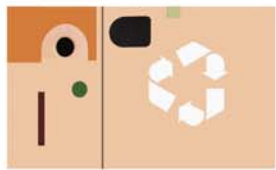
The crushed glass is shipped to the mainland



Mainland companies further crush and melt down the glass



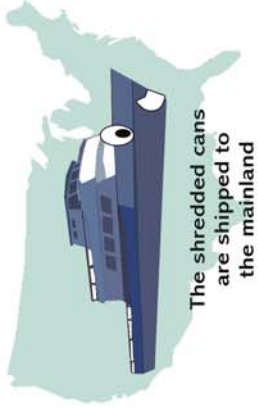
LIFE CYCLE OF A GLASS BOTTLE IN HAWAII



Empty HI 5¢ cans are redeemed at a reverse vending machine or redemption center



Local recycling companies crush and shred the aluminum cans

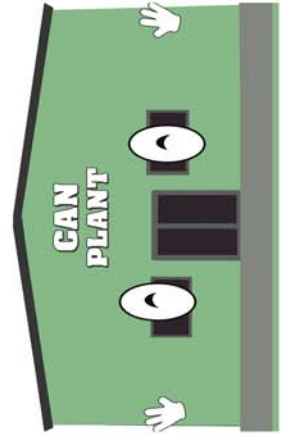
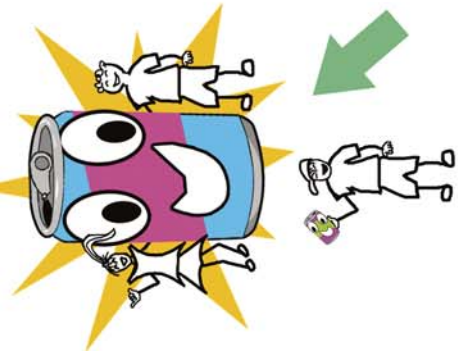


The shredded cans are shipped to the mainland

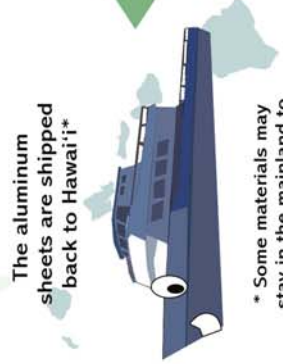


LIFE CYCLE OF AN ALUMINUM CAN IN HAWAII'

New cans made with recycled aluminum are filled at local beverage plants and are back on the store shelves in just eight weeks!

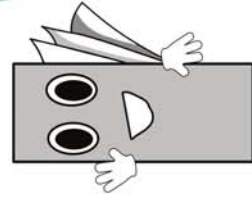


Local can manufacturer in Hawai'i makes new aluminum beverage cans out of aluminum sheets



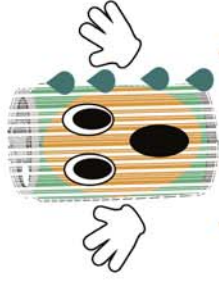
The aluminum sheets are shipped back to Hawai'i*

* Some materials may stay in the mainland to be processed

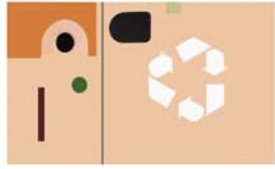


ALUMINUM SHEETS

The melted aluminum is combined with some amount of new material and processed into aluminum sheets



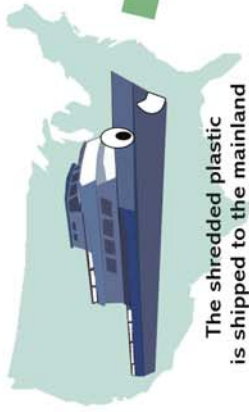
MELTING
Metal manufacturing companies melt down the aluminum



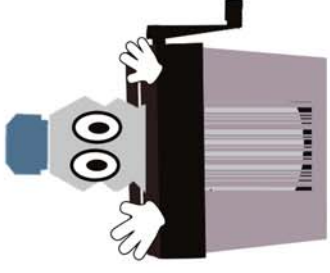
Empty HI 5¢ plastic bottles are redeemed at a reverse vending machine or redemption center



Local recycling companies semi-crush and shred the plastic



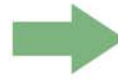
The shredded plastic is shipped to the mainland



Mainland companies further grind and shred the plastic



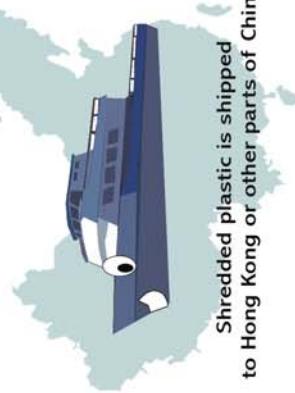
Plastic is liquefied



Processed plastic is turned into a variety of things including material for clothes, plastic lumber, and toys



LIFE CYCLE OF A PLASTIC BOTTLE IN HAWAII



Shredded plastic is shipped to Hong Kong or other parts of China



More on Recycled Products

In addition to the examples shown in the life-cycles of a Hawai'i HI 5¢ deposit item, recycled containers can be processed to create all sorts of surprising products. Some examples include:

- Glass:* artificial rocks or sand, garden sculptures, pool filter media.
- Aluminum:* metal sculptures, rulers, but most of all, more cans!
- Plastic:* benches and tables, flashlights, Frisbees, shoe soles, polyester fill, awareness bracelets, and garden tools.

Other materials that are recycled to create new products include rubber (like tires made into playground surfacing), denim, paper, wood, cotton, metal, cardboard, and even circuit boards!



To learn more about recycled products, you can visit the following websites.

For recycled products from right here in Hawai'i:
www.opala.org/recycling_at_home/recycled_products.html

For products made from all sorts of recycled materials (ranging from beverage containers to denim and video cassettes):

www.recycled.ca
www.clothesmadefromscrap.com
www.recyclestore.com

Hawai'i Beverage Container Deposit Program

TOP TEN REASONS TO RECYCLE



- 10. SAVE RESOURCES AND ENERGY**
Energy saved from recycling a can will power a light bulb for 20 hours or a TV for 3 hours.
- 9. REDUCE LITTER AND TRASH IN OUR 'ĀINA**
States with bottle laws enjoy a decrease in beverage container litter.
- 8. RAISE MONEY FOR YOUR SCHOOL OR GROUP**
In January 2005, Sierra Club-Hawai'i fundraised \$7,500 in two days for tsunami victims.
- 7. REDUCE POLLUTION**
Making products from recycled instead of raw materials creates less air and water pollution.
- 6. SOMETHING NEW OUT OF SOMETHING OLD**
A recycled aluminum can is back on the grocery shelf as another can in 60 days.
- 5. EXPAND RECYCLING AND CREATE MORE JOBS**
Sorting and processing recyclables provides more jobs than landfill operations.
- 4. SAFER BEACHES AND PARKS**
Less litter = less broken glass = less injuries.
- 3. PROTECT NATURAL HABITATS**
Using recycled (instead of raw) materials reduces the destruction of wildlife habitats.
- 2. PROLONG THE LIFE OF OUR LANDFILLS**
70% of landfill waste could be either reused or recycled.
- 1. BECAUSE YOU CAN!**

It's good for you. It's good for the 'āina.

For more information on the deposit program, check out www.hi5deposit.com or call the Department of Health, Solid and Hazardous Waste Branch at (808) 566-4226 or dial 2-4-1.

Resources for recycling fundamentals:
www.hi5deposit.com/schoolrecycling.html
www.hi5deposit.com/containers.html (see the Operators of Certified Redemption Centers link)
www.opba.org/green_buss.htm

Resources for recycled products:
www.opba.org/recycling_at_home/recycled_products.html



More resources for the classroom

Included with this Educator's Guide, you will find a number of materials related to recycling and education, including a poster entitled "Hawai'i Beverage Container Deposit Program—TOP TEN REASONS TO RECYCLE." This colorful, informative poster is available to help inspire your class or group with the benefits of recycling. A pdf file of this poster is accessible at www.hi5deposit.com/schoolrecycling.html and is also provided on the enclosed disc (which contains other resources as well).

The **City and County of Honolulu** offers a wide variety of teaching materials and other resources (<http://www.opala.org/keiki.html>).

These include Recycle Hawai'i Teacher Kits, which contain curriculum guides, videos, slide shows, interactive CDs and national and local recycling information.

Check with your school librarian or contact the City's Recycling Office at 808-692-5410.

Additional sources of educational materials include:

www.gogreeninitiative.org

National organization offering free materials, guidance, and sustainability programs specifically tailored for individual schools.

www.cancentral.com

The Can Manufacturers Institute developed teacher resource kits specifically for Grades 4-6 and Grades 6-9. Their website also offers a variety of recycling fun facts and general information about cans.

www.container-recycling.org

The Container Recycling Institute offers information and teaching resources on recycling, including a "Just For Kids" section.

www.grrn.org

Grassroots Recycling Network: provides student/teacher curriculum and more.

Recycling Resources

Recycling Companies

Listed below are recycling companies which can facilitate the redemption of your beverage container deposits. Talk to these recyclers to see how they can assist with your recycling needs in terms of the collection and redemption process.

In certain instances a fee is charged to pick-up recyclables, but some companies (such as Reynolds Recycling and Honolulu Recovery Systems) have worked with schools to provide free pick-up when feasible. Rolloffs Hawaii continually offers free, biweekly pick-up of HI 5¢ deposit containers from schools.

For a complete list of Statewide Operators of Certified Redemption Centers, refer to the Redemption Centers portion of this Resources section or see the link at www.hi5deposit.com/consumers.html.

For the latest information and materials on the deposit program, fundraising ideas and more, see: www.hi5deposit.com/schoolrecycling.html

City and County of Honolulu

The City and County of Honolulu's Recycling Office can provide 96-gallon, wheeled recycling carts (green bins) to schools, condos and non-profit organizations to support recycling efforts such as collecting deposit beverage containers. For more information, see www.opala.org/green_bins.htm or contact the City Recycling Office at 808-692-5410 or info@opala.org.

Honolulu Recovery Systems

207 Pu'uhale Road
Honolulu, HI 96819
Phone: 808-842-3602 or 808-864-1115
Fax: 808-842-0979

Island Recycling

P.O. Box 30227
Honolulu, HI 96820
Phone: 808-845-1188
Fax: 808-842-0907
Email: islandrecycling@islandrecycling.com
Website: www.islandrecycling.com

Reynolds Recycling Inc.

99-1160 Iwaena St
'Aiea, HI 96701
Phone: 808-487-2802
Fax: 808-486-7753
Website: www.reynoldsrecycling.com

RRR Recycling Services Hawaii: A division of Rolloffs Hawaii

P.O. Box 30046
Honolulu, HI 96820
Phone: 808-845-9313 or 808-682-5600
Fax: 808-848-1799
Email: rolloffshawaii@aol.com
Website: www.rolloffshawaii.com



Courtesy City & County of Honolulu

The City's 96-gallon green bin.

Helpful Organizations

Charitable Ventures, Inc.

Jill N. Tokuda, President
1122 Mikole St.
Honolulu, HI 96819
Phone: 808-841-4800
Fax: 808-841-4034
Email: info@charitableventureshawaii.com
Website: www.charitableventureshawaii.com

Charitable Ventures, Inc. (CVI) helps non-profit organizations raise funds through the mass redemption of the beverage container deposit. This is achieved by partnering non-profits with area residents and businesses (such as restaurants) which donate their recyclables. In this arrangement, CVI takes care of the logistics while the non-profits receive a monthly payment and the donors receive a tax-deductible receipt.

CVI will create, implement, and oversee fundraising operations, providing all the logistical components involved in recycling (such as collection, sorting, and redemption). CVI allocates a portion of the redeemed funds to the non-profit partners in return for providing this service (determined on a case-by-case basis; a common agreement is: 3¢ to a school, 2¢ to CVI per HI 5¢ deposit).

Kōkua Hawai'i Foundation

P.O. Box 866
Haleiwa, HI 96712
Email: info@kokuahawaiiifoundation.org
Website: www.kokuahawaiiifoundation.org

The Kōkua Hawai'i Foundation, founded by Jack and Kim Johnson, seeks to support schools interested in recycling and other environmental stewardship activities. The organization offers a unique classroom-based recycling program through a partnership with O'ahu Community Recycling.

They also sponsor environmental education field trips, can introduce a school garden/healthy school lunch program, and offer curriculum resources on recycling (accessible on their website).

O'ahu Community Recycling

P.O. Box 600
Kailua, HI 96734
Phone: 808-262-2724
Email: recycle@ocr2000.com
Website: www.ocr2000.com

Oahu Community Recycling (OCR), offers a recycling program for residences, commercial entities, and special events. Best of all, they donate 100% of the recyclables directly to community schools. Through a partnership with Kōkua Hawai'i Foundation, OCR is also directly involved in providing schools with recycling education and logistics.

Sierra Club, Hawai'i Chapter

P.O. Box 2577
Honolulu, Hawai'i 96803
Phone: 808-538-6616
Email: hawaii.chapter@sierraclub.org
Website: www.hi.sierraclub.org

Extremely knowledgeable and active in many aspects of environmental stewardship, the Sierra Club has facilitated recycling drives and is an experienced logistical and informational source on recycling and the "bottle bill" (deposit program).



Courtesy Sierra Club, Hawai'i Chapter

Local organizations are happy to help.



Brittany Ortel

Got cans? Local organizations can assist with your recycling program.

The Green Wahine

Coming Soon! Keep your eye out for this new organization which is in the works. The Green Wahine hopes to be operational by the beginning of 2006, if not sooner.

Formed by environmental educators to assist in efforts to divert waste from Hawai'i's landfills, this group targets generators of large amounts of recyclable and reusable waste, such as schools. While their focus is on recycling and the beverage container deposit program, they can also provide assistance on other sustainable practices such as school gardening projects, composting, etc.

The Green Wahine will:

- Conduct waste audits and assess opportunities for reducing, reusing, and recycling waste;
- Create and set up individualized waste diversion programs;
- Provide educational assistance; and
- Provide follow-up assistance to ensure the establishment and continuance of a successful program.

Additional Internet Resources

www.canandbottle.com

Can and Bottle Systems, Inc. is an Oregon-based recycling company offering reverse vending machines and Cans4Kids: a machine/program specifically designed to turn beverage container deposits into donated funds for schools.

Local contacts:

Tim Meyer, Hobart Corporation 808-487-8910

Sam Elarionoff, Toledo Scales 808-845-7561

www.waa-hawaii.org

Windward Ahupua'a Alliance: scroll down to the Recycling For Change section for help with recycling at special events.

www.bottlebillhawaii.org

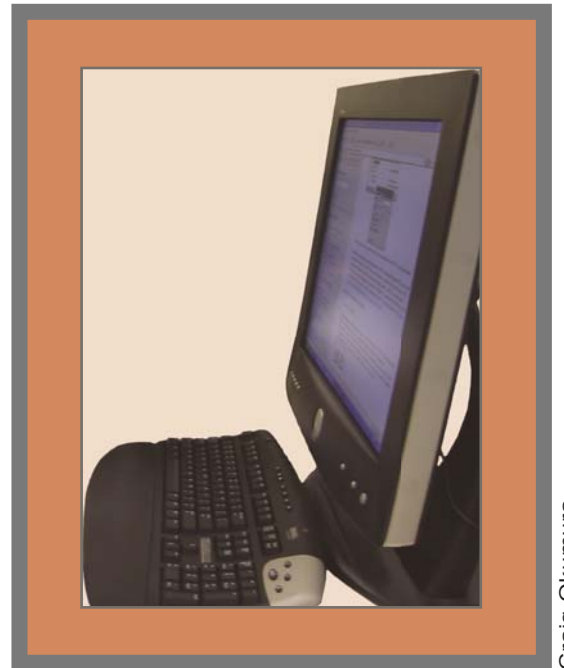
Information on the deposit program and helpful links.

www.malamahawaii.org

Local organizations and non-profit funding opportunities.

www.ikoh.org

Local organization offering a variety of services, classes, and guidance on sustainable practices and self-reliance, including organic farming, biodiesel fuel, and recycling.



Craig Okumura

Redemption Centers

Courtesy Sierra Club, Hawai'i Chapter



Visit your neighborhood redemption center soon.

Craig Okumura



A Reverse Vending Machine in use.

Redemption centers continue to expand as participation in the deposit program grows. They can be found in permanent locations, mobile centers, and even some stores. The goal is to have enough centers to serve the needs of consumers. Since the start of the program in January, 2005, the supply of centers has been updated to meet the rising demand.

The City and County of Honolulu recently instituted a Reverse Vending Machine redemption center at the Honolulu Municipal Building located at 650 South King St. (open 8am-5pm weekdays). This center includes an Instadeem machine, currently the only one of its kind in Hawai'i and outside of New York City (which has eight)! This machine gives you back an immediate cash payment when you insert your paper receipt from the adjacent glass, aluminum, and plastic Reverse Vending Machines. Contact the City at 808-692-5410 for more information.



A list of current redemption center locations on O‘ahu is provided on the following pages, by geographical school district.

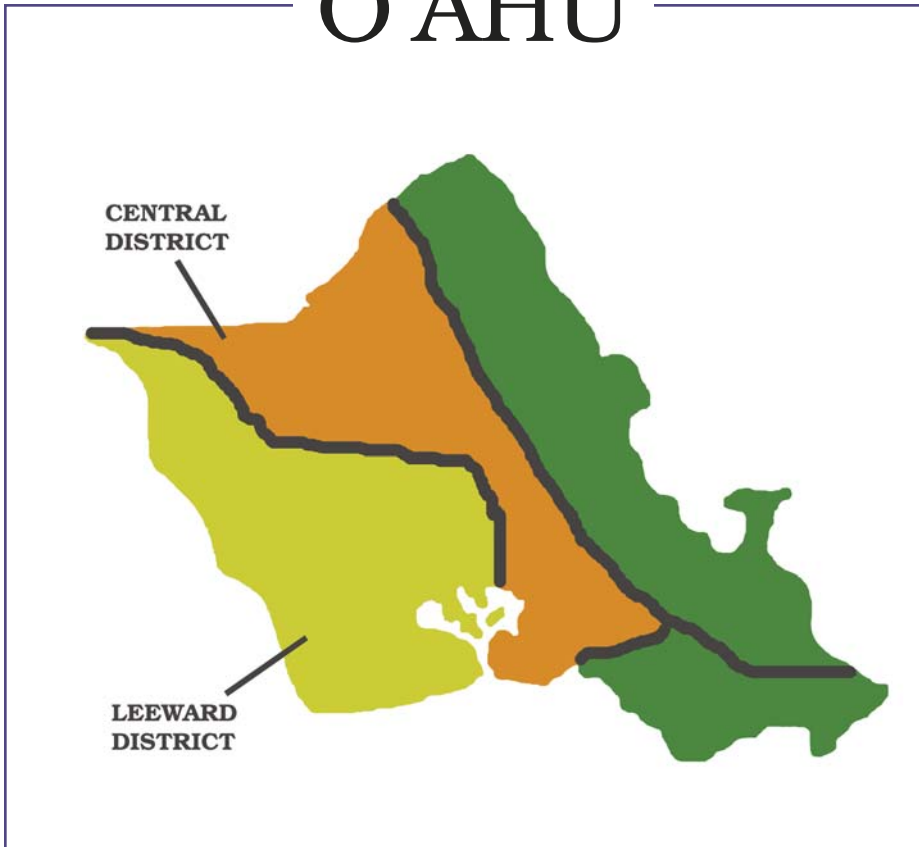
An updated list of O‘ahu and neighbor island locations is available on the State Department of Health’s website www.hi5deposit.com/redcenters.html or call the HI 5 Hotline at 2-1-1.

The City also offers an updated list of O‘ahu locations at www.opala.org/BottleBill/Redemption_Centers.htm.

Reynolds Recycling locations are open generally from 9am-5pm and are closed from 12pm-1pm for lunch. For more information, call 808-487-2802. All Rolloffs Hawaii sites are Reverse Vending Machine Locations; several of these consist of mobile trucks which rotate locations on an occasional basis. For more information, call 808-845-9313.

REMINDER: As of July 7, 2005, you may CRUSH your containers EXCEPT if you plan to redeem your deposit using a Reverse Vending Machine. These machines will REJECT flattened items, as they need to be able to read the bar code. You CAN redeem flattened containers at non-RVM locations.

O'AHU



LEEWARD DISTRICT

'Ewa Beach

'Ewa Beach Shopping Center
(Reynolds Recycling)
Behind Star Market
91-919 Fort Weaver Rd.
Tue-Sat: 9am-5pm

Foodland 'Ewa Beach
(Rolloffs Hawaii)
91-1401 Ft. Weaver Rd.
Mon: 10am-4pm
*Reverse Vending Machine
Location

Hickam

Building #1715 Kuntz Ave.
(Hickam Air Force Base)
*Available to only those that have
access to AAFES exchange and
shoppette*
Thurs & Fri: 2pm-6pm
Sat: 9am-1pm

Kapolei

Campbell Industrial Park
(Rolloffs Hawaii)
91-165 Kalaeloa Blvd.
Mon-Sat: 9am-5pm
Sun: 9am-1pm
*Reverse Vending Machine
Location

Kapolei Shopping Center
(Reynolds Recycling)
Next to Safeway
91-590 Farrington Hwy.
Tue-Sat: 9am-5pm

Kunia

Kunia Park and Ride
(Reynolds Recycling)
94-640 Kupuohi St.
Tue-Sat: 9am-5pm

Nānākuli

Pacific Shopping Mall
(Reynolds Recycling)
Behind Sack N' Save
87-2070 Farrington Hwy.
Tue-Sat: 9am-5pm

Pearl City

Pearl City Shopping Center
(Reynolds Recycling)
Mauka of Bowling Alley
850 Kamehameha Hwy.
Mon-Sun: 9am-5pm

Wai'anae

The Wai'anae Store
(Reynolds Recycling)
85-863 Farrington Hwy.
Tue-Sat: 9am-5pm

Waipahu

Next to Times Supermarket
(Reynolds Recycling)
94-766 Farrington Hwy.
Tue-Sat: 9am-5pm
Sun: 10am-2pm

Waipahu Town Center
(Rolloffs Hawaii)
94-050 Farrington Hwy.
Mon & Sat: 10am-4pm
*Reverse Vending Machine
Location

CENTRAL DISTRICT

Āliamanu

Āliamanu Military
Reservation
(Rolloffs Hawaii)
West Community Center
205 Kou Pl.
Tue: 2pm-4pm
*Reverse Vending Machine
Location

Stadium Sack-n-Save
(Rolloffs Hawaii)
4561 Salt Lake Blvd.
Wed: 10am-4pm
*Reverse Vending Machine
Location

Fort Shafter

Fort Shafter Community Ctr.
(Rolloffs Hawaii)
Hase Dr. Child Development
Center
Fri: 8am-11am
*Reverse Vending Machine
Location

Hālawā

Hālawā Recycling Plant
(Reynolds Recycling)
99-1160 Iwaena St.
Mon-Sun: 8am-5pm
*Reverse Vending Machine
Location

Hale'iwa

Hale'iwa Shopping Center
(Reynolds Recycling)
66-145 Kamehameha Hwy.
Tue-Sat: 9am-5pm

Mililani

Town Center of Mililani
(Reynolds Recycling)
Across from Star Market
95-1249 Meheula Parkway
Tue-Sat: 9am-5pm

Mililani Mauka
Park and Ride
(Reynolds Recycling)
95-1101 Ukuwai St.
Tue-Sat: 9am-5pm

Schofield

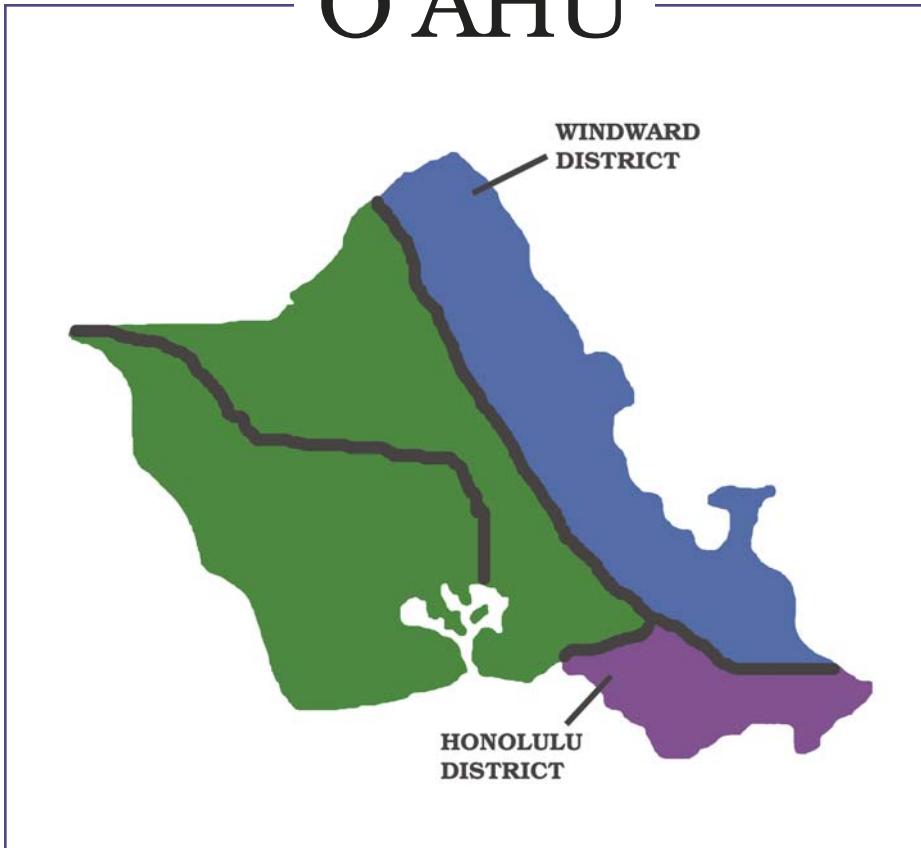
Schofield Barracks
(Rolloffs Hawaii)
Corner of Trimble and Hewitt
Tue: 9am-1pm
*Reverse Vending Machine
Location

Wahiawā

1001 California Ave.
(Reynolds Recycling)
Next to Longs Drugs
Tue-Sat: 9am-12pm

Leilehua High School
(Rolloffs Hawaii)
1515 California Ave.
2nd & 4th Sat: 8am-11am
*Reverse Vending Machine
Location

O'AHU



Kāne'ohe Bay Shopping Ctr
(Reynolds Recycling)
Behind Longs Drugs
46-047 Kamehameha Hwy.
Tue-Sat: 9am-5pm

Marine Corps Base Hawaii
(Rolloffs Hawaii)
Exchange
Fri: 12pm-5pm
*Reverse Vending Machine
Location

Windward Mall
(Rolloffs Hawaii)
46-056 Kamehameha Hwy.
Wed: 10am-4pm
Sun: 8am-2pm
*Reverse Vending Machine
Location

Waimānalo

41-853 Kalaniana'ole Hwy.
(Reynolds Recycling)
Across from Waimānalo
Beach Park
Thu: 9am-12pm

WINDWARD DISTRICT

Kahuku

Kahuku Sugar Mill
(Reynolds Recycling)
Near Kaiser Permanente
56-565 Kamehameha Hwy.
Tue-Sat: 9am-5pm

Keolu Shopping Center
(Reynolds Recycling)
1090 Keolu Dr., Suite 110
Mon-Sun: 9am-6pm
*Reverse Vending Machine
Location

Kailua

'Aikahi Park Shopping Ctr
(Reynolds Recycling)
Behind Safeway
25 Kaneohe Bay Dr.
Tue-Sat: 9am-5pm

Kāne'ohe

Foodland Kāne'ohe
(Rolloffs Hawaii)
45-480 Kāne'ohe Bay Dr.
Fri: 10am-4pm
*Reverse Vending Machine
Location

HONOLULU DISTRICT

'Āina Haina

Foodland 'Āina Haina
(Rolloffs Hawaii)
820 Hind Dr.
Fri: 10am-4pm
Sun: 9am-3pm
*Reverse Vending Machine
Location

Ala Moana/Makiki

Times Supermarket
(Rolloffs Hawaii)
Between Schumann Carriage
and Grace's Drive-In
1290 S. Beretania St.
Wed & Sat: 10am-4pm
*Reverse Vending Machine
Location

Foodland Beretania
(Rolloffs Hawaii)
1460 Beretania St.
Thu: 10am-4pm
*Reverse Vending Machine
Location

Hawai'i Kai

Kalama Valley Village Center
(Reynolds Recycling)
501 Kealahou St.
Sat: 9am-5pm

Hawai'i Kai Park and Ride
(Reynolds Recycling)
300 Keāhole St.
Tue-Sat: 9am-5pm

Kāhala

Times Supermarket Kāhala
(Rolloffs Hawaii)
1173 21st Ave.
Tue & Thu: 10am-4pm
*Reverse Vending Machine
Location

Kaka'ako

Honolulu Municipal Building
(Reynolds Recycling)
650 South King St.
Mon-Fri: 9am-5pm
*Reverse Vending Machine
Location

Kalihi

1803 Dillingham Blvd.
(Island Recycling)
Mon-Sat: 8am-4pm
Sun: 9am-4pm

207 Pu'uhale Rd.
(Honolulu Recovery Systems)
Honolulu, HI 96819
Mon-Fri: 8:30am-4pm
Sat: 8:30am-2pm,
Sun: closed
*Reverse Vending Machine
Location

Mānoa

University of Hawai'i-Mānoa
(Rolloffs Hawaii)
Richardson Law School
Parking Lot
(Dole St. and University Ave.)
Sun: 9am-3pm
*Reverse Vending Machine
Location

McCully

Times Supermarket
(Rolloffs Hawaii)
Near Gyotaku, Zippy's
1772 South King St.
Mon & Fri: 10am-4pm
*Reverse Vending Machine
Location

Mō'ili'ili

Corner of South Beretania
and Isenberg
(Reynolds Recycling)
2424 South Beretania St.
Mon-Sat: 9am-5pm

Sand Island

204 Sand Island Access Rd.
(CM Recycling)
Near Kilgo's
Mon-Sat: 8am-5pm

1020 Ulupono St.
(Rolloffs Hawaii)
First right after the
Coast Guard gate
Mon-Sat: 7:30am-4pm
*Reverse Vending Machine
Location

Wai'alae

Kalani High School
(Rolloffs Hawaii)
4680 Kalaniana'ole Hwy.
Sat: 10am-4pm
*Reverse Vending Machine
Location

STATEWIDE OPERATORS OF REDEMPTION CENTERS

The ARC of Hilo

1099 Waiānuenuenu Ave.
Hilo, HI 96720
Phone: 808-935-7644

Aloha Glass Recycling, Inc.

75 'Āmala Pl.
Kahului, HI 96732
Phone: 808-871-8544
Toll Free: 1-800-865-2884

Atlas Recycling, LLC

30 Maka'ala St.
Hilo, HI 96720
Phone: 808-935-9328
and
74-5599 Pāwai Pl.
Kailua-Kona, HI 96740
Phone: 808-329-6868

County of Maui – Dept. of Public Works and Environmental Management

Sites operated by Maui Disposal
(see contact information below)

CM Recycling

204 Sand Island Access Rd.
Honolulu, HI 96819
Phone: 808-842-6640

Garden Isle Disposal, Inc.

2666 Niumalu Rd.
Līhu'e, HI 96766
Phone: 808-245-2372

Hanada and Son, Inc.

dba Aloha Shell Service
110 South Pu'unēnē Ave.
Kahului, HI 96732
Phone: 808-877-5894

Hickam Air Force Base

(Available to only those that have access to
AAFES exchange and shoppette)
Building #1715 Kuntz Ave.
Hickam Air Force Base, HI 96853-5233

Horizon

dba Honolulu Recovery Systems
207 Pu'uhale Rd.
Honolulu, HI 96819
Phone: 808-842-3602

Island Recycling, Inc.

91-140 Kaomi Loop
Kapolei, HI 96707
Phone: 808-845-1188

Maui Disposal Company, Inc.

280 'Imi Kālā St.
Wailuku, HI 96793
Phone: 808-242-7999

Reynolds Recycling, Inc.

99-1160 Iwaena St.
'Aiea, HI 96701
Phone: 808-487-2802

Rolloffs Hawaii, Inc.

(RRR Recycling Services Hawaii)
91-165 Kalaeloa Blvd.
Kapolei, HI 96707
Phone: 808-845-9313 or 808-682-5600

Tri-Isle Resource Conservation & Development Council, Inc.

(Operating Lāna'i Redemption Site)
210 'Imi Kālā St., Suite 208
Wailuku, HI 96793
Phone: 808-244-3100, ext. 5
Toll Free: 1-866-465-0519



It's good for you. It's good for the 'āina.

For more information on the deposit program, check out www.hi5deposit.com or call the Department of Health, Solid and Hazardous Waste Branch at 808-586-4226 or dial 2-1-1.