



The Biodegradable Products Institute (BPI) is a not-for-profit association of key individuals and groups from government, industry and academia.

Through our innovative **compostable label** program, we educate manufacturers, legislators and consumers about the importance of **scientifically based standards** for compostable materials which biodegrade in large composting facilities.

We also promote the use and recovery of compostable materials through municipal composting. And we provide information and resources such as how to **find a composter**.

### **About the Biodegradable Products Institute**

The Biodegradable Products Institute (BPI) is a professional association of key individuals and groups from government, industry and academia, which promotes the use, and recycling of biodegradable polymeric materials (via composting). The BPI is open to any materials and products that demonstrate (via scientifically proven techniques) that their products are completely biodegradable in approved composting facilities.

BPI will accomplish its goals with three key components:

- **Education**  
Informing consumers, generators and municipal and industrial composters of the benefits and availability of biodegradable and compostable materials which meet the specifications outlined below, based on independent testing in the appropriate labs.
- **Adoption of Scientifically Based Standards**  
Promoting responsible use of the BPI Compostable Logo for any product which meets the requirements in ASTM D6400 or D6868, specifications based on more than 8 years of research by suppliers, composters and academia.
- **Alliances with Other Organizations**  
Working with other organizations to further the use and recovery of biodegradable materials, including harmonization of standards around the world.

## Frequently Asked Questions

### *Who is the BPI and who are its members?*

---

The BPI is short for Biodegradable Products Institute. It is a multi-stakeholder association of key individuals and groups from government, industry and academia, which promotes the use, and recovery of biodegradable polymeric materials. BPI will accomplish this goal through education, adoption of scientifically based standards and cooperative activities with other organizations in the US, Canada, Europe and Japan.

### *Why is the BPI involved in this program?*

---

Ever since the introduction of "biodegradable plastics" fifteen years ago, confusion and skepticism about claims and product performance has prevailed. This situation stems largely from plastic products that did not biodegrade as expected, yet were able to make claims because no scientifically based test methods and standards existed.

Now that has changed. Specifications do exist. These are **ASTM D6400** for films and **ASTM D6868** for packaging which uses biodegradable coatings.

More importantly, technology has advanced to the point where there are plastics that have the functionality of existing products, yet will biodegrade completely and safely when composted, leaving no residues.

The Compostable Logo is designed to address the confusion that has existed by building credibility and recognition for products that meet the ASTM standards among consumers, composters, regulators and others. It is designed to be easily recognizable and able to be placed on the actual product as well as packaging materials and sales literature.

### *Why is the USCC involved in this program?*

---

Non-degradable plastics cost the composting industry millions of dollars every year. They add to processing costs. They increase the percentage of material that is unsaleable and must be landfilled. The remaining plastic fragments reduce the value of the compost, creating lost revenue opportunities.

By working with the BPI, the USCC is able to capitalize on their scientific expertise to assure that products do in fact meet ASTM D6400 "Specifications for Compostable Plastics" or ASTM D6868 "Specification for Biodegradable Plastic Coatings on Paper and other Compostable Substrates". An easy to identify symbol goes a long way to minimize the confusion that has existed in this area for the past 15 years.

### *What benefits will this program bring to the composting industry?*

---

The program will save composters money by helping to eliminate the costs that plastics generate. Also, biodegradables will expand the feedstocks that composters can readily handle. For example, food scraps from special events and institutions often contain disposable plastic cutlery and straws. These are impossible to economically separate. By replacing ordinary plastics with biodegradables, now the entire wastestream can be composted, rather landfilled, as in the past.

### *How do you know that the products will compost satisfactorily?*

---

The test methods and specifications found in **ASTM D6400** and **ASTM D6868** mimic what takes place in well-run municipal or commercial composting facilities. These tests were developed after 8 years of intensive work conducted at the request of the ASTM (American Society for Testing and Materials). Participants in the study included the USCC, resin suppliers and the scientific community. The work identified 3 key criteria for materials and products to be compostable:

- They must biodegrade at a rate comparable to yard trimmings, food scraps and other compostable materials, such as kraft paper bags.
- They must disintegrate, so that no large plastic fragments remain to be screened out.

***Have any of these products been composted in "working facilities"?***

---

Yes, many of these products have been in use for a few years and composted by USCC members.

A growing list of communities, including San Francisco, CA and Portland OR rely on the BPI to identify products that work will compost quickly and safely.

For example, biodegradable bin liners are used in a number of organics collection and composting programs in grocery stores, to minimize washing and keep bins cleaner. Also, biodegradable foodservice ware is in use today in colleges and cafeterias.

***Are these products designed for composting at home, also?***

---

No, the Compostable Logo identifies products that will perform satisfactorily in well managed municipal and commercial facilities-ones that meet the requirements found in the USCC's Field Operator's Guide. We will insist that producers use the appropriate language in conjunction with the Logo to make this distinction clear.

While there are hundreds of thousands (possibly millions) of home composters, their piles or composting units typically do not generate the temperatures needed to assure rapid biodegradation of this new class of materials. For this reason, claims are limited to larger facilities.

***What tests will be involved?***

---

There are 3 key tests involved. All are referenced in the ASTM D6400 and D6868. The first measures the ability of the product or material to be converted to carbon dioxide by the organisms found in a compost pile at an acceptable rate. The second test measures the ability of the materials to fragment, so that products do not clog the screening equipment. The third test measures the ability of the resulting compost to support plant growth.

***What products will be available and when?***

---

While it is premature to discuss specific manufacturers at this time, interest in the Logo program has already been expressed by manufacturers of food serviceware, bags and bin liners and raw materials.

Depending on the prior testing that has been completed, the review process should take 30- 60 days. Then it is a question as to how quickly graphic changes can be implemented by individual manufacturers. It is reasonable to expect products on the market carrying the Logo by the end of the year.

The list of products is approved by the BPI is growing rapidly. Click on the links below for a list of **certified compostable products**.

## Earn Points



## You Earn Points for Progress

Realizing a better tomorrow starts with changing behaviors today. To help you improve your everyday life, we emphasize the power of taking small actions and we award you points when you take them. [Earn Points](#) ▶

## You Can Earn Points for Recycling

In some communities, members can earn points for recycling at home. We make this possible by working with municipalities and the waste hauler that collects your recycling. [Learn more about how the program works](#) ▶

## Get Perks



## Exclusive Savings

Points can be used for discounts on everyday products in our online shop, One Twine. Simply find the products you want and cash in your points at checkout. [Shop Now](#) ▶

## National and Community Deals

Who couldn't use a night out? From a discounted trip to the movies to deals at local or national restaurants, our Rewards Catalog lets you turn your points into savings on all sorts of businesses and services. [Get Rewards](#) ▶

## School Donations

The Recyclebank Green Schools Program helps students improve their schools and communities through eco-friendly projects. Schools submit their ideas to us and members help turn those dreams into realities by donating their points to help fund projects. [Find Out More](#) ▶



## Mile Markers

When you make it your business to build a better tomorrow today, it's important to remember that we're all on a journey. To chart our progress and ensure that we're always heading in the right direction, we set up yearly check-ins to take a look at how far we've come. Our annual Year in Review report reminds us of the achievements and it puts new targets on the radar for the coming year. We share this review with partners and members like you so that we can feel good about the impact we're making collectively.

Download our 2013 Year in Review [here](#).



## Out of the Office. In the Community.

Since we make it our business to help people improve their lives and their communities, it's only right that we take breaks to focus on our own. Each year, Recyclebank team members work together on a local community improvement project for



## Funding Tomorrow's Leaders

Since 2007, the Recyclebank Green Schools Program has awarded close to \$500,000 to more than 150 schools for projects designed to creatively improve their schools. With the launch of our new online shop, One Twine, we're proud to announce that we will donate 5% of profits to the Green Schools Program, up to \$50,000 a year. Here's how it works: Teachers submit project proposals along with the budgets needed to help their goals become realities. The brainstorming period takes place at the start of each school year, and the donation period runs from the beginning of January through early spring. [Learn more](#) ▶

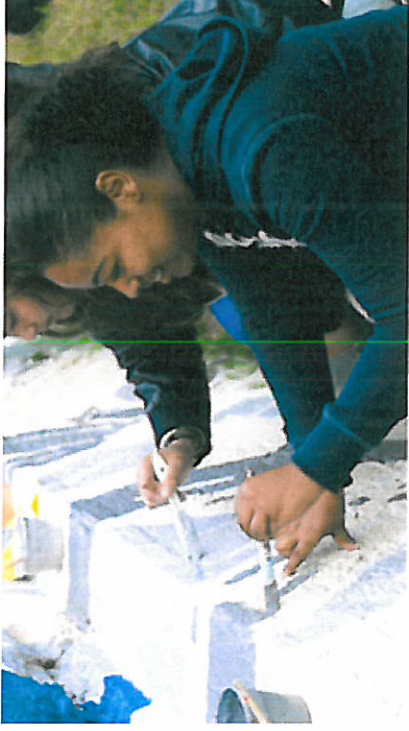


## Carefully Curated

When it comes to the products we pick for our online shop, One Twine, we make every effort to ensure that they're good for your home, your wallet and the planet. Working with a wide variety of brands, we only select items that make it through our

## A Force for Good

When it comes to inspiring action, we like to take a page out of Isaac Newton's playbook. Sure, Recyclebank wasn't around when he wrote that "an object at rest tends to remain at rest unless acted upon by an outside force," but we'd like to think that we're living, breathing proof of that First Law of Motion. We encourage small, everyday actions by teaching you how they can benefit the environment, and we reward you for making the effort. By working with municipalities and waste haulers, we've already inspired our members to spare billions of pounds of waste from the landfill.



## WHO WE ARE

We wear a lot of hats at Recyclebank.  
Here are three that we all share.

## Game Changers

Founded by Patrick Fitzgerald and Ron Gonen, Philadelphia natives and former high school classmates, Recyclebank was designed to not only encourage residents to do good things for the planet, but to reward them each and every time a participating member took a step in the right direction. What began as a series of conversations in late-2002 turned into a completed business plan the following year. In 2004, they rolled out one of the first pilots of Recyclebank's innovative recycling rewards program in Philadelphia.

While it began as Patrick and Ron's dream, it wasn't long before others came to help. Since 2004, we've boosted recycling rates in more than 300 communities, grown to over 4 million members and helped launch new programs in communities all across America.





Working to Build Zero Waste Communities

Eco-Cycle is one of the largest non-profit recyclers in the USA and has an international reputation as a pioneer and innovator in resource conservation.

We were established in 1976 by everyday residents who had a passionate belief in conserving our natural resources. These Eco-Cycle volunteers brought recycling to town in 1976, making Boulder one of the first 20 communities in the U.S. to offer curbside recycling. We continue to be driven by these same passions and innovative actions.

## Eco-Cycle's Green Star Business Program

The Green Star Business (GSB) program will take your business to bold new levels of sustainability. We address waste reduction, water and energy conservation, sustainable purchasing, green building, alternative transportation, staff training, and more. We provide comprehensive, long-term, customized sustainability consulting that burnishes your brand, improves employee retention, appeals to customers, and supports the community.



### Green Star Businesses:

- Expert sustainability consulting customized to meet your needs for an affordable fee
- Public promotion of your sustainability progress and achievements
- Employee training in sustainability practices
- Participation in an active network of sustainability focused businesses
- Cost-effective investment that can reduce waste, energy and water costs and attract customers
- Special perks, such as discounts at CHaRM, the Center for Hard-to-Recycle-Materials

### How the Green Star Program Works

1. **Coordination Meeting:** We sit down with you to discuss the trajectory for your membership in our program: what's included, what's expected, and perks.
2. **Initial Assessment:** Our team tours your office and conducts a comprehensive questionnaire to better understand your business, culture, and established sustainability practices.
3. **Recommendation Report:** Our experts provide you with a customized set of recommendations ranging from how to reduce waste, water and energy use, to how to get employees and customers engaged.
4. **Goal Setting:** We collaborate with you to set achievable goals for the coming year.
5. **Friendly Reminders:** Think of us as your concierge or conscious; we are there to provide a gentle boost to you when you need it.
6. **Progress Report:** Our team meets with you quarterly to assist your company in advancing your sustainability goals.
7. **Training & Events:** We train your employees on how to implement sustainability practices and assist with the coordination of company events to involve your community and clients.
8. **Learn from Your Peers:** Through our quarterly network gatherings, you and other Green Star Business members have a chance to share and learn best practices from each other.

### Consulting and Concierge Support

- In-depth sustainability assessment on all aspects of your organization and facility.
- Customized recommendations and goals report developed from assessment findings.
- Quarterly one-hour follow-up meetings on sustainability plan and resource conservation initiatives to assist with accountability and support.
- Dedicated Eco-Cycle staff member to answer questions and provide support.
- Access to expert consultants on an as-needed basis.

### Promotion of Your Business

- Green Star Business members are featured on Eco-Cycle's frequently visited website.
- Regular social media posts made to highlight individual Green Star Business members.
- Green Star Business logo provided to members for use in marketing materials or website.
- Recognition provided, including a window decal and Green Star Business certificate.
- Network members receive Eco-Cycle's monthly newsletter (9,000 reach).

### Sustainability Training and Education for your Staff

- Customized sustainability trainings provided to your staff on topics such as: zero waste management, energy and water conservation, reducing and disposing of hazardous waste, green purchasing, and sustainable lifestyles.
- Monthly sustainability tips created to share with your staff.
- Customized guidelines on waste reduction and energy and water conservation for distribution to staff.

### Peer-to-Peer Network Engagement

- Quarterly Lunch-and-Learns hosted by Eco-Cycle offering facilitated discussion and trainings on current sustainability topics.
- Connect with other members to exchange ideas on our Facebook discussion forum.
- Annual Awards Event to honor and acknowledge Green Star Businesses in the community.

---

## Testimonials from Green Star Businesses

*"We joined the Green Star program because it leverages the longstanding expertise and leadership of Eco-Cycle in this field. Right away, we're seeing the benefits of the employee training offered through the program. It's getting us all on board. Color-coded bins, monitoring phantom power, switching to LEDs -- each step adds up. Green Star is making a real difference."*

**Bob Morehouse, Founder and CEO, Vermilion Interactive Design**

*"As Boulder Brands strives to improve our environmental footprint and the impact our business has on the planet, we are fortunate to be involved with the Green Star program. One of the most exciting features is the opportunity to network with other local businesses leading in sustainability efforts, enabling us to share our experience, discuss our challenges, and learn from our peers."*

**Caroline Hughes, Corporate Communications Director, Boulder Brands**

*"The Green Star program has many exciting aspects, most notably for us are the education and outreach portions of the program. At Ocean First Divers, protecting our oceans from irreparable harm is central to our mission. As adventurers and educators we look forward to being a resource for the community and mentoring other local businesses that want to become more sustainable."*

**Nick Beni, Chief Sustainability Officer, Ocean First Divers**



Comparative Price Exhibit

Nov-16

Product	Quantity Per Case	Case Price	Unit Price	Source	Manufacturer
16 o. PE lined paper hot cup	1000	\$ 32.99	\$ 0.0330	Webstaurant Supply	Choice
10 oz. PE lined paper hot cup	1000	\$ 42.33	\$ 0.0423	Food Service Direct	International Paper
16 oz. PE paper lined hot cup	1000	\$ 38.99	\$ 0.0390	Webstaurant Supply	Choice
16 oz. hot cup - compostable	1000	\$ 128.15	\$ 0.1282	Food Service Direct	International Paper
16 oz. hot cup - compostable	240	\$ 54.14	\$ 0.2256	Food Service Direct	World Centric
16 oz. hot cup - compostable - ripple	500	\$ 208.15	\$ 0.4163	Food Service Direct	Nature House
16 oz. hot cup - PE lined	1000	\$ 89.35	\$ 0.0894	Food Service Direct	International Paper
20 oz. PE lined hot cup	600	\$ 29.99	\$ 0.0500	Webstaurant Supply	Choice
PS lids - 16 Oz hot flat style	1000	\$ 36.05	\$ 0.0361	Food Service Direct	International Paper
PS "dome" lids for hot cups	1000	\$ 24.99	\$ 0.0250	Webstaurant Supply	Choice
PS "dome" lids for hot cups - black	1200	\$ 24.99	\$ 0.0208	Webstaurant Supply	Choice
Compostable lid for hot cups - white	1000	\$ 69.55	\$ 0.0696	Food Service Direct	Ingeo
Soup cup - 12 oz PE	500	\$ 104.45	\$ 0.2089	Food Service Direct	Solo
Soup cup lids - PS	500	\$ 125.05	\$ 0.2501	Food Service Direct	Solo
14 oz. PE lined cold cup	1000	\$ 29.49	\$ 0.0295	Webstaurant Supply	Choice
32 oz. PE lined cold cup	500	\$ 35.49	\$ 0.0710	Webstaurant Supply	Choice
21 oz. PE lined "Coke" brand cold cup	1000	\$ 44.99	\$ 0.0450	Webstaurant Supply	Dart Solo
16 - 18 oz PE lined "Coke" brand cold cup	1000	\$ 39.49	\$ 0.0395	Webstaurant Supply	Dart Solo
16 - 18 oz. wax treated cold cup	1000	\$ 73.99	\$ 0.0740	Webstaurant Supply	Dart Solo
21 oz. wax treated cold cup	1000	\$ 97.99	\$ 0.0980	Webstaurant Supply	Dart Solo
16 oz. Compostable clear PLA	1000	\$ 78.99	\$ 0.0790	Webstaurant Supply	Fabri Kal
12 oz. Compostable clear PLA	1000	\$ 69.99	\$ 0.0700	Webstaurant Supply	Fabri Kal
20 oz. Clear PLA cold cups	1000	\$ 243.55	\$ 0.2436	Food Service Direct	Eco-Products

# City of Saint Paul – Sustainable “To Go” Food Packaging Initiative

---

Partnerships: Successful approaches to  
reduce litter & waste (case studies)



Nov 21, 2016 Working Group: Mike Levy, ACC PFFPG

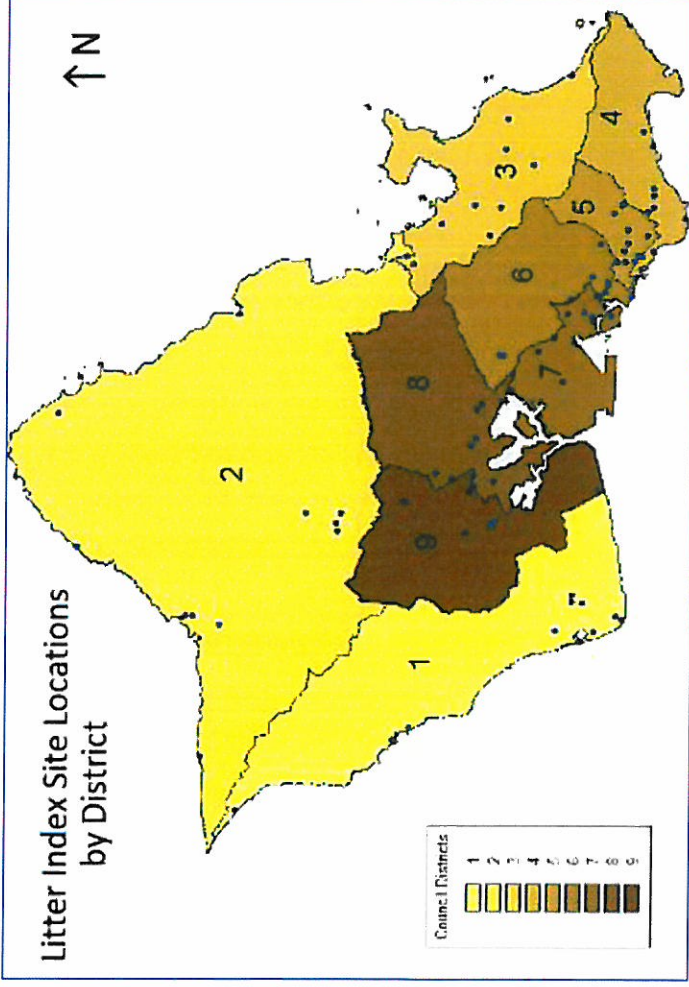
# Partnership Case Studies – Litter & Waste Reduction Case Studies

- Partnership approach – deals with litter/waste reduction for packaging without impacting specific products
- Industry/City Partnerships – ACC experience
  - Honolulu (Oahu), Hawaii
  - Baltimore, MD
  - Los Angeles, CA
  - Moore Recycling/industry associations – web resources for recycling



# 2016 Activities

- Honolulu – Implementing Litter Abatement Programs
  1. Kupu Intern – Litter
  2. Litter Index - Including Storm Drain Inlets
  3. Ala Moana - Lidded Receptacles Pilot Program
  4. Environmental Court Training - Focus on Litter and Stormwater Trash



**Site 9-1**

**Survey Type:** Driving  
**Survey Target:** Lumiaina Street  
**Starting Point:** Lumiaina Street starting at 94-799 Paiva Street  
**Direction to travel:** Southeast  
**End Point:** Largo Bldg. (Church) just past Pulelo St.

**Site Length:** 0.5 miles  
**GPS Coordinates:** 21.401265, -158.008853  
**Road Type:** Arterial  
**Area Type:** Commercial  
**Google Streets link:** [Site 9-1](#)

Street map of Site 9-1 start point

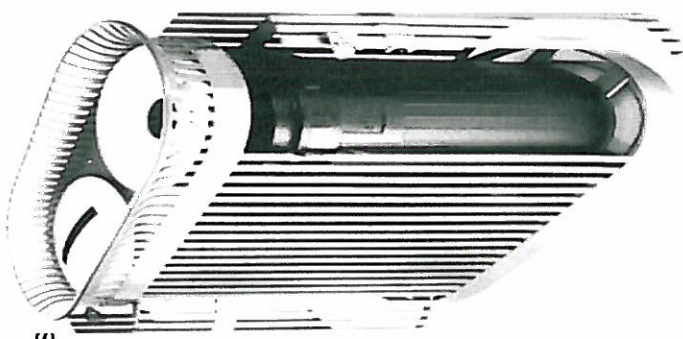
# Ala Moana Park – Lids make a difference to prevent blowing litter than becomes packaging waste in ocean

KHIB (Keep Hawaiian Islands Beautiful) and KAB (Keep America Beautiful) - KHIB, KAB and the William S. Richardson Law School in Honolulu is development and presenting enforcement training materials based on local ordinances and state laws related to litter, illegal dumping, marine debris and storm water trash. Training to law and code enforcement officials, prosecutors and justices will also explain how litter-related problems negatively impact Honolulu as a community as well as the vitality of its tourism industry.

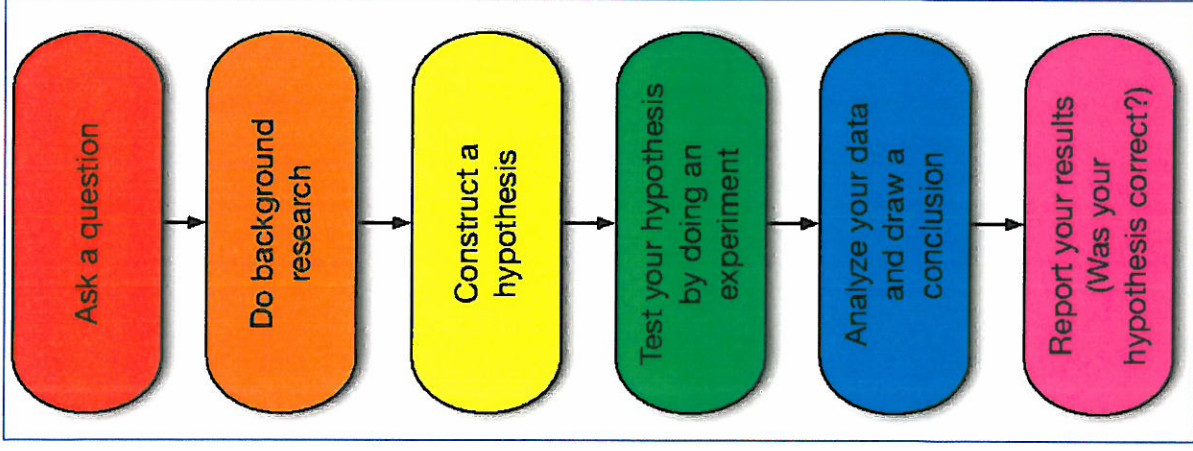
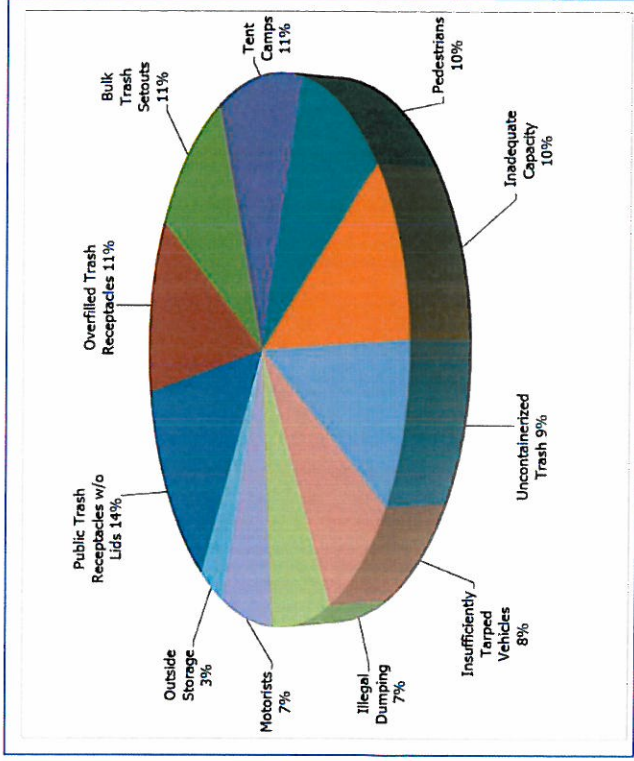
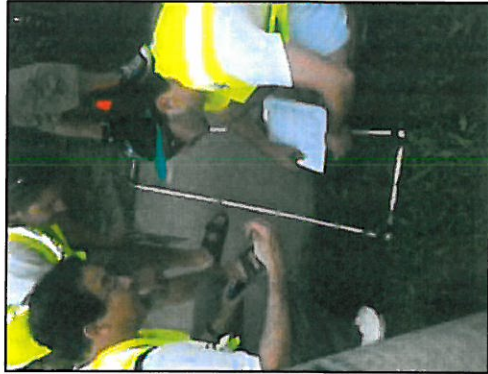
Local Hawaiian Restaurants - Hawaiian local restaurants play a special role in Hawaii culture. Led by Zippy's and several other local restaurants, with the guidance of ACC consultants, they have developed a local restaurant pledge based on Aloha Aina (Love of the Land), called "Malama 808" to take measures to prevent trash and litter from leaving their establishments. "Malama" is the Hawaiian word for "care for" or "take care of," and 808 is Hawaii's area code.

KUPU, whose mission is to empower youth to serve their communities through character-building, service learning, and environmental stewardship opportunities that encourage integrity (pono) with God (Ke Akua), self and others, is working with KHIB in an intern program to help foster positive litter prevention and education messages.

Commercial Harbor (implementing EPA and Hawaii Department of Health/HDOH) ERP will coordinate with KHIB to develop materials for and conduct a workshop to educate harbor tenants on and help them implement best practices for reducing harbor litter and storm water trash that can become marine debris. This training and promoting tenant's participation in the Adopt-a-Harbor program will show that the Harbor and its tenants are making good faith efforts to comply with the HDOT Consent Decree of 2014.



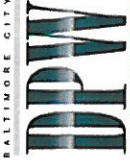
# Importance of Good Litter Science



# Baltimore, MD Partnership - 2013



STEPHANIE  
RAWLINGS-BLAKE  
MAYOR



ALFRED H. FOXX  
DIRECTOR



VALERIA L. LUKKUCOMA  
BUREAU HEAD

- Baltimore city wanted to adopt zero waste policy by banning visible littered products
- ACC and City discussed positive solution approach
- City asked to get neighborhoods engaged to take litter ownership (packaging)
- ACC sponsored “Clean Community Competition” - \$24,000 in award money to winners
- Mayor/City/community benefited
- Waste Management sponsored similar event – continuity now

# Los Angeles City and County Partnership to address zero waste – recycling promotion efforts

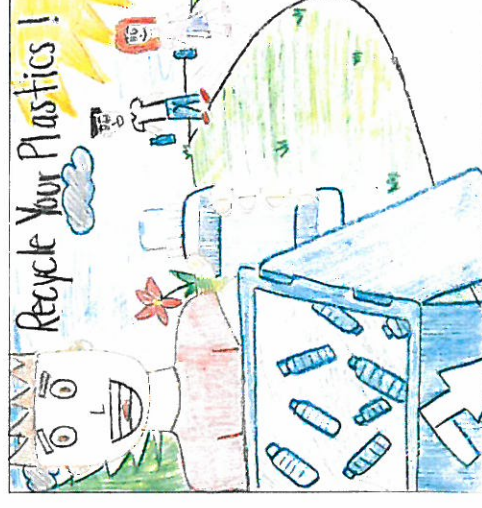
---

- City of L.A. sought education for “New to the Blue” recycling program – ACC contributed \$250,000 to help citizens with identification of plastics
- Litter (packaging) prevention programs. For 10 years, ACC has sponsored Friends of the L.A. River (FoLAR) and the L.A. Conservation Fund (education group) to collect, measure and clean up L.A. River – measuring how much waste reduced year by year
- ACC teamed with California Restaurant Association (CRA) to promote “Rinse and Recycle” program with restaurants to recycle polystyrene and other plastics foodservice. Over a thousand restaurants put posters and education materials to encourage customers who take home food Packaging to “rinse and recycle”



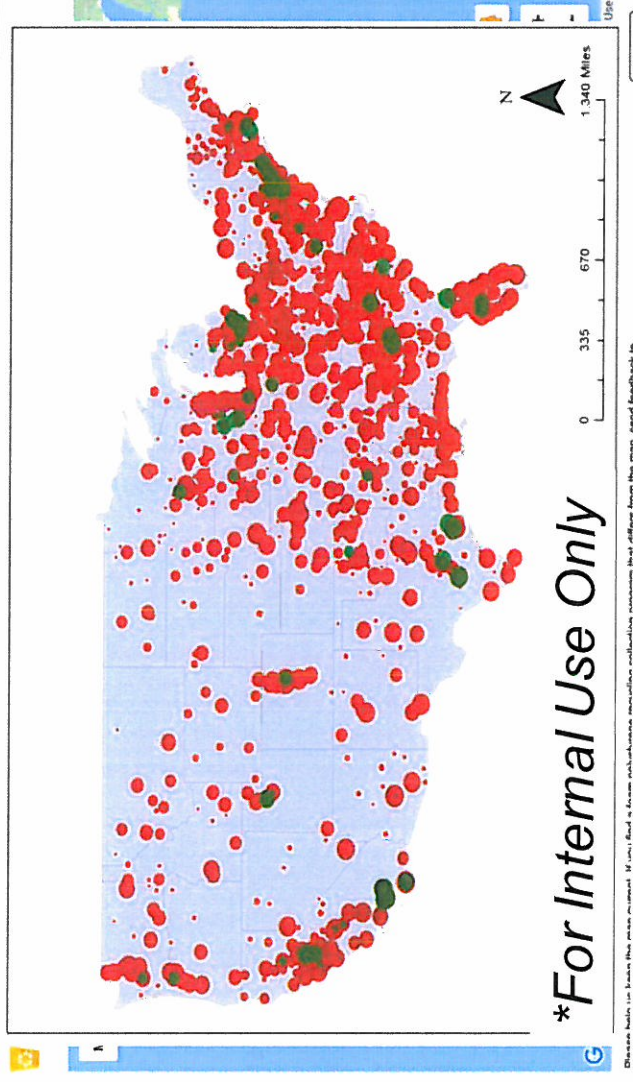
# LA Conservation Corps and ACC

The Plastics Division of the American Chemistry Council is proud of our decade-long history of promoting recycling and environmental responsibility to youth in the Los Angeles region



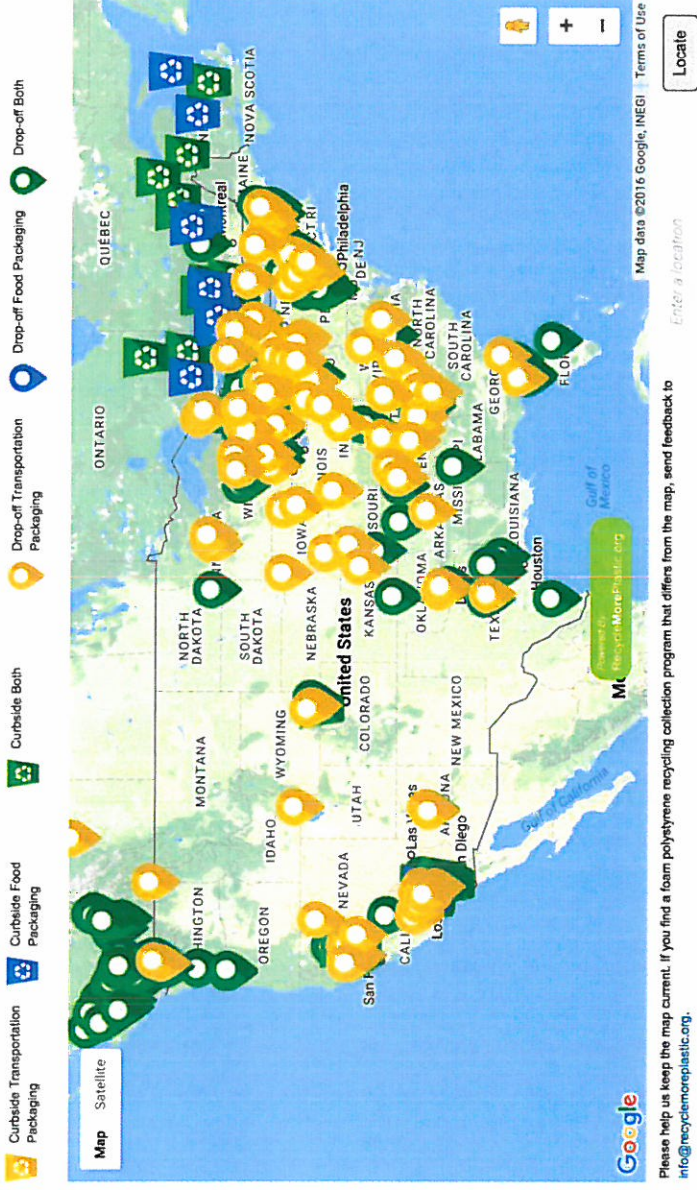
We are especially proud to have supported the LA Conservation Corps River Corp program since its inception to help teach responsible consumer behavior toward the environment through education and clean up. Thank you for all you do!

# Availability of Recycling Study Update: Material Specific Update



- Add material specific drop-offs to availability study
- Original study did not capture them
- Very common for foam PS recycling

# Foam PS Map and Webpage

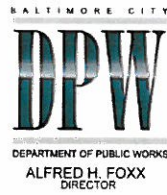


- Regularly Updated
- Add new locations quarterly (489 locations)
- Immediately remove bad locations
- Spot-check website links regularly

[http://www.recyclenoreplastic.org/plastics/eps\\_map.html](http://www.recyclenoreplastic.org/plastics/eps_map.html)

# Questions and Answers

---



## Proposal from the Baltimore City Department of Public Works to the American Chemistry Council sponsorship of the Clean Community Competition

- **Executive Summary:** The American Chemistry Council highlights the safety, sanitation, cost savings and environmental impact of polystyrene products. While some studies find that foam food service makes up only 1.5% of litter, the ubiquitousness of white foam cups or plates on sidewalks and city streets call out-of-size attention to their prevalence in the urban landscape. Sponsorship of the Clean Community Competition gives the American Chemistry Council the opportunity to directly impact cleaning and anti-littering efforts in the places it matters most: residential neighborhoods. It also provides an opportunity to highlight that littering is not inherently caused by certain materials and products but by human nature itself. This is the chance to see affect behavior change by providing a reward that can be invested back into further neighborhood cleaning and anti-littering efforts.
- **The Baltimore City Department of Public Works Background (DPW):** DPW's Bureau of Solid Waste is charged with keeping Baltimore clean. It is responsible for mixed refuse and recycling collections from 200,000 locations every week. It keeps Baltimore's Inner Harbor clean as well as streets, alleys and lots. It leads educational and informational efforts to inform residents and visitors of proper waste disposal.
- **Project Information:** Last year, the Clean Community Competition was entered by 72 communities throughout Baltimore City. These communities worked through the summer to paint storm drains, clean lots, increase recycling and sweep alleys and streets. Four communities in each quadrant of the city won first place and were awarded \$5,000, and four communities in each quadrant won second

place and won \$1,000 each. The winners were announced by Mayor Stephanie Rawlings-Blake at the start of the Mayor's Fall Cleanup.

- **Baltimore Market Information:** The 2012 Census estimates Baltimore's population at 621,342 as of July 2012, an increase of 1,100 residents over the previous year and the first increase in population since its peak in 1950 validating Mayor Stephanie Rawlings-Blake stated goal to grow the city by 10,000 families in 10 years.
- Baltimore had a total of 294,579 housing units in 2009. Age ranges were 22.4% under 18 years old, 11.8% at age 65 or older, and 65.8% from 18 to 64 years old. Baltimore's population was 53.4% female. The median age is 35 years old. The median income for a household in the city during 2008 was \$30,078, and the median income for a family was \$48,216. Per capita income was \$22,885 in 2008. The median sale price for homes in 2012 was \$95,000.
  
- **2013 Clean Community Competition:** The American Chemistry Council would be the primary sponsor of the Clean Community Competition providing the monetary funds for the four first place awards of \$5,000 each and four second place awards of \$1,000 each for a total financial commitment of \$24,000. (Secondary sponsors may include media entities and partnerships may be formed with environmental non-profit organizations.) The Clean Community Competition will begin May 20, 2013. Judging, by non-agency invitees from community organizations, will end September 9, 2013 and prizes will be presented by Mayor Stephanie Rawlings-Blake at the Mayor's Fall Cleanup on October 26, 2013. The financial commitment will be expected to be fulfilled by October 1, 2013 at the latest.
  
- **List of Benefits:**
  - The American Chemistry Council's name and logo will appear prominently in all printed materials including the competition application, press releases, banners, posters, and electronic copy on the DPW website or Facebook page.

The logo may be accompanied by a brief description of the aim and purpose of the organization subject to editing needs.

- American Chemistry Council representatives will be included in any public ceremonies, activities and events associated with the Clean Community Competition.
  - Representatives will have speaking opportunities at the opening and closing ceremonies.
  - All marketing, advertising, public relations and branding activities for the Clean Community Competition will feature the sponsorship of the American Chemistry Council throughout the course of the 2013 Clean Community Competition.
  - The DPW Communications and Community Outreach Division will conduct an extensive public relations and marketing campaign in Baltimore City to promote the Clean Community Competition of which the sponsorship of the American Chemistry Council will be included. These efforts will encompass print, television, radio, electronic placement and signage. These efforts will continue periodically throughout the contest period.
  - The American Chemistry Council's sponsorship will be featured prominently in the DPW newsletter, *In the Works*, and the Recycling Office newsletter, *Re-News*. These newsletters are distributed to all media outlets, every community association in Baltimore City as well as city elected officials.
  - American Chemistry Council's sponsorship will be posted on the DPW Facebook page through the course of the contest and also on our Twitter account which has 1,862 followers including prominent opinion leaders and media professionals.
- 
- **Summary:** This sponsorship presents a unique opportunity for DPW and the American Chemistry Council to support an effort for which both organizations share a common goal – the eradication of litter through the promotion of education and information and by inducing behavioral change. We hope the American Chemistry Council gives this proposal its full and deliberate consideration.

### *The Hawaii Partnership Project*

Plastic marine debris and litter has been at the forefront of public policy discussions and media attention at the state and local level in Hawaii for years. In recent years, proposals to restrict the use of plastic packaging, such as polystyrene food service packaging have been introduced in the State Legislature and at the county level on several of the Hawaiian Islands. . Additionally, a number of environmental organizations (NGOs) have active chapters in Hawaii, including the Nature Conservancy, Sierra Club and Surfrider, helping lend local support for these initiatives. Locally based NGOs (Kokua Hawaii Foundation, Sustainable Coastlines Hawaii, etc) have also been active on this issue.. NOAA's Pacific Islands Fisheries Science Center (PIFSC) is also located in Hawaii.

The focus on plastics as a significant contributor to Hawaii's marine debris and litter situation will be further highlighted later this year when Hawaii hosts the IUCN's World Conservation Congress (held every 4 years throughout the world) September 1-10<sup>th</sup>.

To help address both the legislative pressures and the "anti-plastics" messaging, as well as to better position the plastics industry as responsible entity working to identify science based, local solutions that can be implemented to help reduce marine debris/litter, ACC undertook a multifaceted lobbying/public affairs/grassroots/communications program to meet these objectives. Highlights of "The Hawaii Partnership Project" include:

In response to a proposed local Honolulu ordinance that would have restricted the use of polystyrene food service packaging, ACC initiated a dialogue with Councilmember Ann Koybayashi. This dialogue resulted in the understanding that restrictions on one material type do little to address the root cause of litter and that more data – and a better understanding of the sources of litter – was necessary to help guide effective public policy.

*The Study.* The plastics industry, working with local government partners, commissioned Environmental Resources Planning (ERP) to conduct a comprehensive study of the solid waste (litter and trash) and storm water management systems, particularly as they relate to litter control and diversion opportunities in Honolulu. The goals of this study were to identify specific, actionable and sustainable strategies for improving and integrating litter control functions with the solid waste and storm water management systems. The study was completed in early 2016 and we began to move towards implementing its recommendations.

*The Challenges.* Based on the conclusions in the ERP study, meetings were had with the Honolulu Department of Parks to discuss implementing some of the study recommendations by targeting a high-profile beach for a pilot project that would include installing more substantial rubbish bins with lids, and tracking the result. We were met with great opposition from the Department of Parks.

#### *Partnerships and the Path Forward.*

Since our primary objective was met with opposition, we built on the ERP study and recommendations, to establish several partnerships and opportunities with Hawaiian organizations sharing a desire to help Honolulu better understand what they can do to reduce litter, trash and prevent marine debris. Opportunities were identified and are now underway. Industry has fostered partnerships with a number of groups, including:

#### *KHIB (Keep Hawaiian Islands Beautiful) and KAB (Keep America Beautiful)*

- ERP, KHIB, KAB and the William S. Richardson Law School in Honolulu is development and presenting enforcement training materials based on local ordinances and state laws related to litter, illegal dumping, marine debris and storm water trash. Training to law and code enforcement officials, prosecutors and justices will also explain how litter-related problems negatively impact Honolulu as a community as well as the vitality of its tourism industry.

#### *Local Hawaiian Restaurants*



- Hawaiian local restaurants play a special role in Hawaii culture. Led by Zippy's and several other local restaurants, with the guidance of ACC consultants, they have developed a local restaurant pledge based on *Aloha Aina* (Love of the Land), called "Malama 808" to take measures to prevent trash and litter from leaving their establishments. "Malama" is the Hawaiian word for "care for" or "take care of," and 808 is Hawaii's area code.

*KUPU and KHIB*

- KUPU, whose mission is to empower youth to serve their communities through character-building, service learning, and environmental stewardship opportunities that encourage integrity (pono) with God (Ke Akua), self and others, is working with KHIB in an intern program to help foster positive litter prevention and education messages.

*Commercial Harbor (implementing EPA and Hawaii Department of Health/HDOH) HDOT Consent Decree*

- ERP will coordinate with KHIB to develop materials for and conduct a workshop to educate harbor tenants on and help them implement best practices for reducing harbor litter and storm water trash that can become marine debris. This training and promoting tenant's participation in the Adopt-a-Harbor program will show that the Harbor and its tenants are making good faith efforts to comply with the HDOT Consent Decree of 2014.

*Primary Objective Breakthrough.*

Discussions to implement a recommendation from the ERP study to ensure litter receptacles have lids that allow trash to be easily placed inside, while not allowing litter to fly out, were elevated to the Mayor's office and we now have a path forward to establish a partnership on a pilot program in Ala Moana Park. We expect those bins to be placed before the IUCN World Conservation Congress meets in September.

# L.A. BLUE



## RECYCLE

### Clean Plastic

- grocery bags
- dry cleaning bags
- film wrap
- containers
- hangers

### Styrofoam™

- cups
- egg cartons
- containers
- packing

CITY OF LOS ANGELES





# News Release

For Immediate Release

December 9, 2015

Contact: Jennifer Killinger (202) 249-6619

Email: [Jennifer\\_killinger@americanchemistry.com](mailto:Jennifer_killinger@americanchemistry.com)

## NEW WEBSITE HELPS HOLIDAY SHOPPERS RECYCLE FOAM PACKAGING

WASHINGTON (December 9, 2015) – Holiday shoppers now have an easy way to figure out where to recycle the foam packaging that protects their gifts and keeps their hot cocoa warm.

A new interactive website allows Americans and Canadians to search for local recycling programs that collect protective foam packaging and foam food packaging. The site also identifies foam packaging “mail back” programs for areas where local recycling does not exist.

[PSFoamRecycling.org](http://PSFoamRecycling.org) allows users to enter a zip code or search an interactive map to find recycling programs. The site differentiates between programs that accept *protective* foam packaging (typically used for transporting electronics and other high-end products), programs that collect foam *food* packaging (such as coffee cups, clamshell containers, egg cartons, and meat trays), and programs that collect both types of packaging. It also identifies whether the foam packaging is collected at curbside or drop-off programs.

The foam packaging collected in these programs is made from polystyrene plastic, typically marked with the number six or “PS” in chasing arrows. It’s often mistakenly referred to as Styrofoam, which is a Dow trademark for an insulation product.

Access to curbside and drop-off recycling programs for foam polystyrene packaging is growing across the U.S. and Canada. However, it is not yet widespread, so the site provides links to organizations that allow people to ship their foam polystyrene for recycling. These programs help meet the growing demand for recycled polystyrene, as more and more companies seek out recycled plastics to use in manufacturing.

“Nobody wants a loved one to open a gift and find that it’s broken, which is why so many manufacturers use protective polystyrene foam packaging,” said Keith Christman, managing director of plastics markets for the American Chemistry Council’s Plastics Division. “Foam packaging uses very little material—it’s typically more than 95 percent air—and does a great job, whether protecting TVs or serving hot coffee without scalding our hands. With growing access to recycling, it’s becoming easier to find ways to keep this valuable material out of landfills.”

PSFoamRecycling.org will be regularly updated as recycling programs grow and change, so it can be used beyond the holiday season. The site is overseen by [Moore Recycling Associates](#), which provides consulting services for plastics recycling. The site is sponsored by the [Plastics](#)

– more –



## NEW WEBSITE HELPS HOLIDAY SHOPPERS RECYCLE FOAM PACKAGING

December 9, 2015

Page 2

[Foodservice Packaging Group](#), part of the American Chemistry Council's [Plastics Division](#). Organizations that collect recycling information—the [Canadian Plastic Industry Association](#), the [EPS Industry Alliance](#), and the [Foodservice Packaging Institute](#)—contributed to the site.

###

<http://www.americanchemistry.com>

*The American Chemistry Council (ACC) represents the leading companies engaged in the business of chemistry. ACC members apply the science of chemistry to make innovative products and services that make people's lives better, healthier and safer. ACC is committed to improved environmental, health and safety performance through Responsible Care®, common sense advocacy designed to address major public policy issues, and health and environmental research and product testing. The business of chemistry is an \$801 billion enterprise and a key element of the nation's economy. It is the nation's largest exporter, accounting for fourteen percent of all U.S. exports. Chemistry companies are among the largest investors in research and development. Safety and security have always been primary concerns of ACC members, and they have intensified their efforts, working closely with government agencies to improve security and to defend against any threat to the nation's critical infrastructure.*





Mayor Stephanie Rawlings-Blake  
Briefing Memorandum

**EVENT:** **Announcement of Clean Community Contest Winners for 2013**

**DATE:** Wednesday, October 16, 2013

**MRB TIME:** 10:30 a.m. to 11:00 a.m.

**EVENT TIME:** 10:30 a.m. to 11:00 a.m.

**LOCATION:** City Hall Rotunda  
100 N. Holliday St.  
Baltimore, MD 21202  
Event takes place inside rotunda area.

**COUNCIL REP:**

Councilman Nick Mosby  
Councilwoman Mary Pat Clark  
Councilman William H. Cole IV  
Council Vice-President Edward.Reisinger@baltimorecity.gov  
Councilman Carl Stokes  
Councilman William "Pete" Welch

**PARKING:** N/A

**MAYOR'S STAFF:** Khalil Zaied **CELL:** 410-387-9674 **PIN:** 33389A20

**LINDSEY HILL** **CELL:** 410-916-0528 **PIN:** 333976CA

**EPU Advance:** **CELL:** **PIN:**

**MEETING/EVENT CONTACT:** Cherrie Woods **CELL:** 410-948-8643

**PURPOSE/GOAL:**

Event is to announce the six winners of the 2013 Clean Community Competition. These communities have worked to clean their neighborhoods over the Summer and will be awarded \$5,000 and \$1,000 prizes.

## **MAYOR'S ROLE:**

To say a few words related to the purpose of the event, acknowledge participants for their contributions, announce the winners and present the oversized checks.

**CITATIONS REQUESTED:** N/A (Large oversized checks will be given to the winners)

## **AUDIENCE/ PROGRAM ATTENDEES:**

- The Honorable Mayor Stephanie Rawlings-Blake
- Deputy Chief of Operations, Khalil Zaied
- DPW Director, Alfred H. Foxx
- DPW Deputy Director /Bureau Head, Water and Wastewater, Rudolph Chow
- Chief of Staff, Kimberly Morton
- Bureau Head, Solid Waste, Valentina I. Ukwuoma
- Recycling Coordinator, Robert Murrow
- Mike Levy, Senior Director, Plastics Foodservice Packaging Group (PFPG), American Chemistry Council (Contest Sponsor)
- Cherrie Woods, Public Relations Officer, Communications and Community Affairs
- Wayne Butler, Events Coordinator, Communications and Community Affairs
- Maxine Erlwein, Program Analyst, Bureau of Solid Waste

## **AGENDA/PROGRAM: (Program begins at 10:30 a.m.)**

- 10:30 a.m. – 10:35 a.m. – Welcome and Remarks – Director Foxx
- 10:35 a.m. – 10:40 a.m. - Mayor's Remarks
- 10:40 a.m. – 10:45 a.m. – Mike Levy's Remarks
- 10:45 a.m. – 11:00 a.m. – Mayor joined by Mr. Foxx, Ms. Ukwuoma and Mr. Levy to announce winners

## **BACKGROUND:**

Sponsored by the American Chemistry Council, the Clean Community Competition challenged communities throughout Baltimore to get involved in cleaning up their neighborhoods on a daily basis. Communities were judged on cleaning efforts that include an overall increase in recycling tonnage, cleaning lots, cleaning streets and alleys, storm drain cleaning and sweeping and, new this year, greening or beautification efforts. Extra points were awarded for adopting vacant

lots through the Power In Dirt initiative and for installing clean-themed storm drain stencils.

First place winners from last year's competition could not win first place again but were eligible to win second place. Greater Remington, New Greenmount West and the Gwynns Falls Business and Homeowners Association were all first place winners last year and won second place this year.

A judging committee assessed improvements and overall cleanliness.

Neighborhoods in each of four sections of the City competed for first place prizes of \$5,000. Second place finishers won \$1,000. For the contest 22 communities entered but only 8 submitted scrapbooks for the judges. As a result, there were no winners in the Northeast quadrant of the city. Of the \$24,000 in anticipated award funds, only \$18,000 will be awarded.

The winning communities are:

NORTHWEST:

First Place: 3200 Carlisle Block Association, Inc.  
Second Place: Greater Remington Improvement Association (**won First Place in 2012**)

NORTHEAST:

No winners (there were no submittals for consideration)

SOUTHWEST:

First Place: South Baltimore Partnership  
Second Place: Gwynns Falls Business and Homeowners Association (**won First Place in 2012**)

SOUTHEAST:

First Place: Re-Build Johnston Square  
Second Place: New Greenmount West Community Association (**won First Place in 2012**)

**MEDIA:** All Baltimore media will receive notification.  
On the public schedule.

**ATTIRE:** Business attire.

**MEAL INFORMATION:** N/A

**PODIUM:** DPW will bring podium.  
Mayor will be standing at podium with:  
DPW Director Alfred H. Foxx, Bureau Head  
Valentina I. Ukwuoma and Mike Levy, Sponsor  
Representative.

**REMARKS:** Talking points (attached)

**PREPARED BY:** Robert Murrow (cell) 443-474-7851  
Robert.murrow@baltimorecity.gov

**ATTACHMENTS:** Talking points.



You can now recycle



# FOAM Containers

Dear Restaurant Owner,

Thank you for agreeing to display a *Recycle Foam at Home* poster in your restaurant. By placing this poster in a visible location you are doing your part to help reduce the amount of waste in our landfills and litter in our streets and waterways.

We at the California Restaurant Association and the Plastic Foodservice Packaging Group hope to reduce the litter stream by promoting the recycling of foam products like those used in your restaurant. Polystyrene foam containers can be recycled in residential blue bins in Los Angeles. As you encourage your customers to rinse and recycle their foam at home you are contributing to litter reduction while protecting your right to use the foodservice products of your choice.

Please feel free to contact Samantha Martinez at 213-624-1550 or [info@recyclefoamathome.com](mailto:info@recyclefoamathome.com) if you have any questions or need additional materials.

Again, we ask for your support and appreciate your efforts to help make our community clean.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jot Condie'.

Jot Condie  
President and CEO  
California Restaurant Association

A handwritten signature in black ink, appearing to read 'Mike Levy'.

Mike Levy  
Director  
Plastic Foodservice Packaging Group

For more information please visit [www.recyclefoamathome.com](http://www.recyclefoamathome.com)



## Plastics Food Service Packaging Group

City of Saint Paul – Sustainable “To Go” Food Packaging Initiative - Nov 21, 2016 Working Group meeting

**“Partnerships: Successful approaches that deal with litter/waste reduction for Packaigng without impacting specific products” - Industry (ACC)/City Partnership Case Studies:**

### **Honolulu, Hawaii (Oahu):**

The plastics industry (ACC), working with local government partners in Oahu, Hawaii, commissioned a comprehensive study of the solid waste (litter and trash) and storm water management systems, particularly as they relate to litter control and diversion opportunities in Honolulu. The goals of this study were to identify specific, actionable and sustainable strategies for improving and integrating litter control functions with the solid waste and storm water management systems. The study was completed in early 2016 and we began to move towards implementing its recommendations. Partnerships are now with *KHIB (Keep Hawaiian Islands Beautiful)* and *KAB (Keep America Beautiful)*, *Local Hawaiian Restaurants*, *KUPU* (whose mission is to empower youth to serve their communities through character-building, service learning, and environmental stewardship opportunities that encourage integrity (pono) with God (Ke Akua), self and others) and with KHIB in an intern program to help foster positive litter prevention and education messages. Pilot project underway to install new trash cans with lids to reduce blowing litter and waste in largest park – Ala Moana Park.

### **Baltimore, MD:**

In 2013, the plastics industry (ACC) partnered with the City of Baltimore (Mayor’s office, DPW, City Council, and Baltimore Sustainability Commission) to address zero waste programs there through neighborhood empowerment. ACC funded the “Clean Community Competition” which incentivized and awarded (\$5000 first prize) Baltimore City neighborhoods that developed and document programs that reduce litter and packaging waste. Waste Management has also funded the program, and this has become a positive local activity that does not impact packaging products per se – but address all litter and waste.

### **Los Angeles, CA – City and County:**

ACC’s Plastics Division has been working for last 10 years proactively in L.A. on a number of programs that have reduce litter and waste in L.A., as well as increasing recycling of plastics, including polystyrene foam:

- Assisted L.A. Bureau of Sanitation in advertising camping “New to the Blue” for their curbside residential and multifamily recycling program. \$250,000 helped with citizens better understanding which plastics went into curbside program
- Funded Friends of the L.A. River for litter/packaging cleanup for 10 years in L.A. Funded college interns to help with measurement and cleanup.
- Sponsored L.A. Conservation Corps (group promoting recycling and environmental responsibility to youth in Los Angeles Region) for 10 years. Litter and waste education resulted in a cleaner L.A.
- Instituted “Rinse and Recycle” program in conjunction with California Restaurant Association which has engaged over a 1000 restaurants who put posters and help educate consumers on how to increase plastics, including polystyrene foam, foodservice recycling for “to go” packaging.

### **Interactive Plastics Recycling Map/Markets – Moore Recycling partnership:**

ACC Plastics Division, working with partner groups FPI, EPS-IA, Canadian Plastics Industry Association and SPI, helped develop through recognized recycling expert Moore Recycling, an interactive website to facilitate recycling of polypropylene and foam polystyrene in U.S. and Canada. Communities throughout the U.S. have a source that is current to see where they can take their plastic recycling: <http://www.recyclemoreplastic.org/>

End market studies are next step, to assist communities like Saint Paul, with plastics recycling.

# FOAM Containers



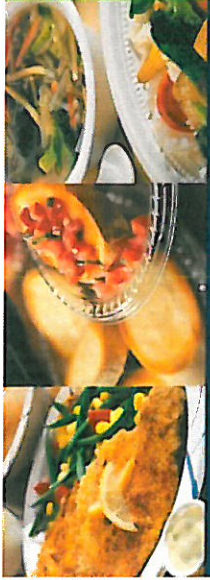
RINSE  
and



RECYCLE  
your



FOAM  
at  
HOME



# City Of St. Paul, Sustainable "To Go" Food Packaging - Rhea Hale, WestRock

## INCREASING THE RECOVERY OF FSP



FPI's overall goal is to develop and promote economically viable and sustainable recovery solutions for foodservice packaging.

Paper Recovery Alliance  
(PRA)

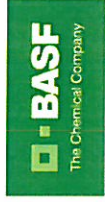
Plastics Recovery Group  
(PRG)

Foam Recycling Coalition  
(FRC)





# Current PRA and/or PRG Members



Cascades



Georgia-Pacific Professional



HUHTAMAKI



KAPSTONE

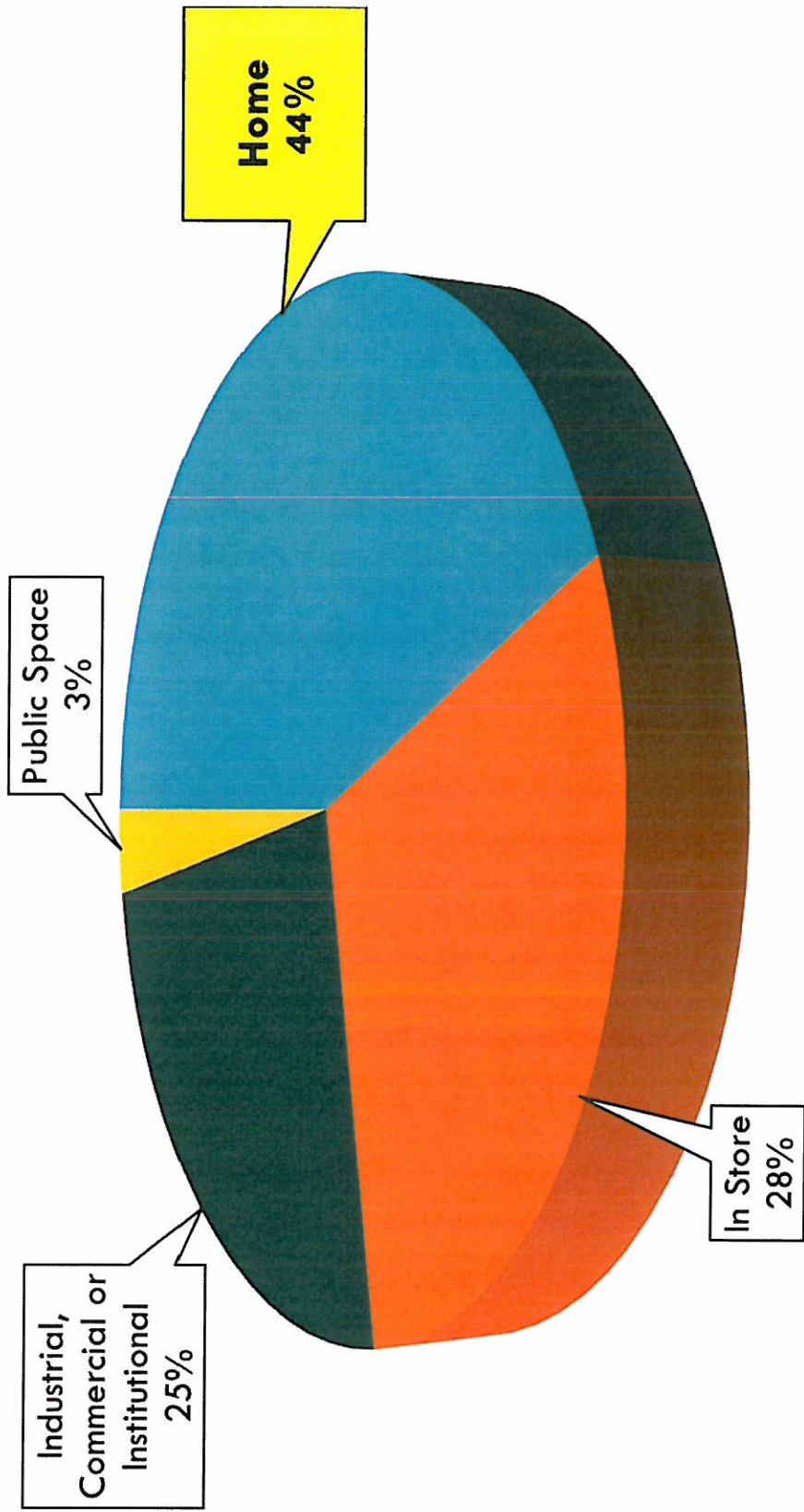


Seda INTERNATIONAL PACKAGING GROUP





# Where does FSP end up?



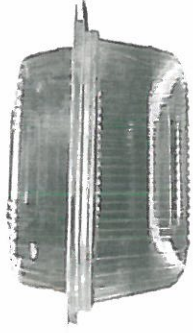
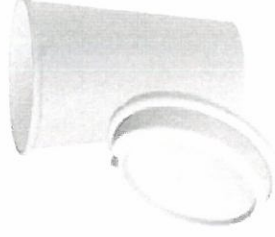
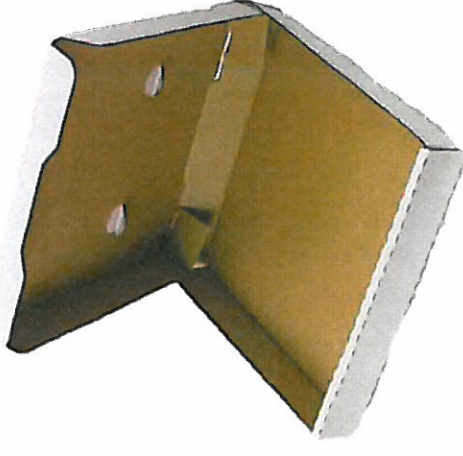
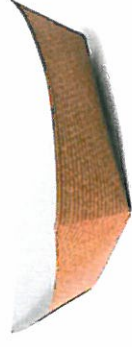
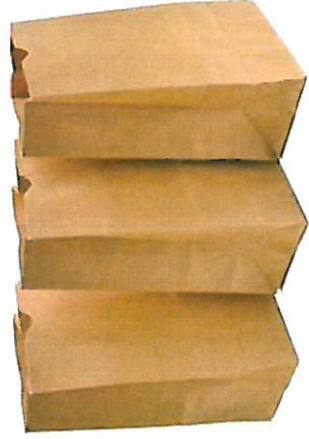


# What is Foodservice Packaging?

Single-use foodservice ware & packaging used by foodservice establishments.

Specifically, our work focuses on:

- Cups (including sleeves)
- Containers, including:
  - Beverage Carriers
- Boxes
- Paper bags

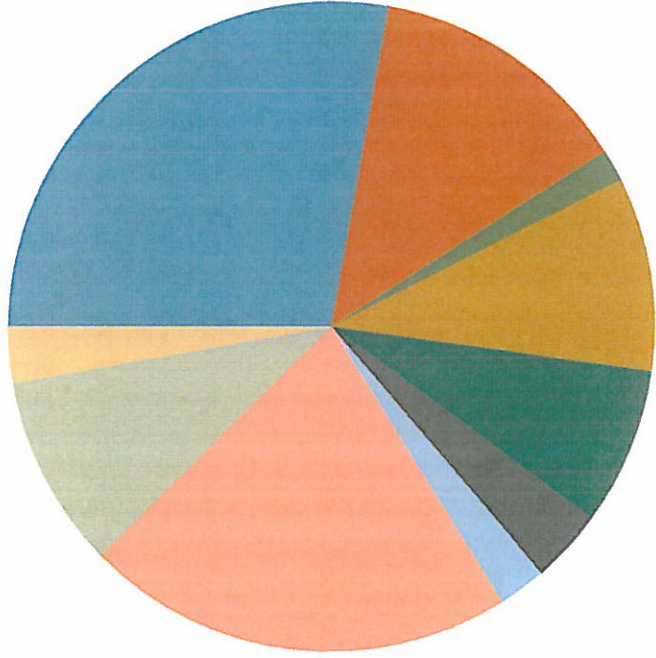




FOODSERVICE PACKAGING  
AN AMERISOURCE SUPPLY COMPANY

# How much FSP is generated?

- Clay Coated Paper
- Poly Coated Paper
- Other Coated Paper
- Napkins
- Paper Bags
- OCC
- Molded Pulp
- PS/PP/PET/PLA
- EPS



In a city of 250,000 people, roughly 3,000 tons generated annually.

- A 10% recovery rate would mean the addition of about 300 tons annually for the facility = approximately 240 tons of paper and 60 tons of plastic.



Total: ~5.5 million tons in U.S.





FOODSERVICE PACKAGING  
INSSTITUTE

# Community Partnership – Prerequisites





**MRF Acceptance**  
Operations




**MRF Acceptance**  
End Markets (impact, options, location)




**Haulers**  
Community contracts, Suite of materials collected



**Community Engagement**  
Director of Public Works, Solid Waste  
Director, Solid Waste/Recycling Staff



**Market Assurances**  
Trade Association and Oversight  
Organization support



**End Markets**  
What can they handle? Volume, quality, overall impact?



PRA/PRG Recovery Project



FOODSERVICE PACKAGING  
INSTITUTE

## Additional studies

7

- Food residue / contamination studies
- MRF flow study
- Bale composition audits
- Bale impact projections
- Community Access
- Resident messaging survey
- Tool kit

PRA/PRG Recovery Project  
*Confidential – For Members Only*





# FOODSERVICE PACKAGING: SUPPLY CHAIN AND SUSTAINABLE SOURCING ISSUES

[www.recyclefsp.org](http://www.recyclefsp.org)



FOODSERVICE PACKAGING  
FOR RECOVERY

HOME

ABOUT FPI

FOODSERVICE OPERATORS

COMMUNITIES

MATERIALS RECOVERY FACILITIES

END MARKETS

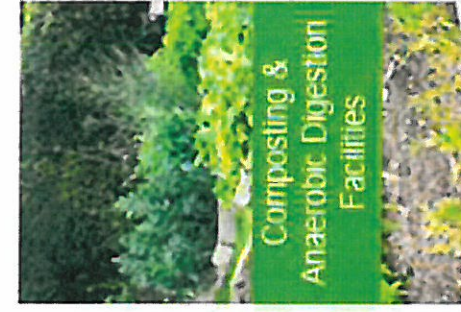
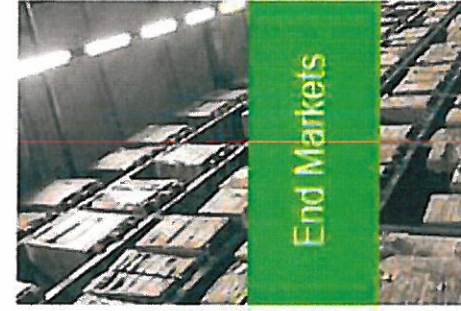
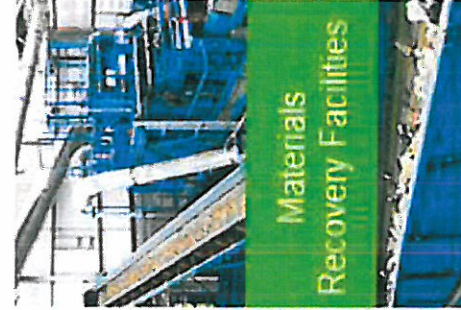
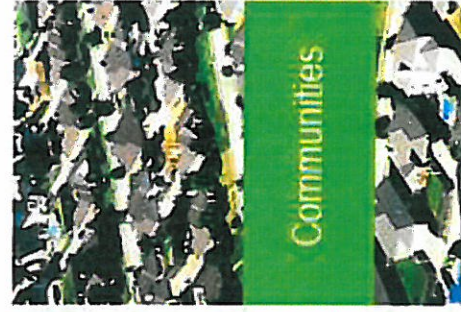
COMPOSTING & AD FACILITIES

FAQ

## Foodservice Packaging Recovery Toolkit

Recovering Foodservice Packaging (FSP) can have substantial benefits in cost-saving waste reduction, revenue generation, reduction of environmental impact and positive expectations from residents and customers. No matter what role you play in recovering foodservice packaging, this Toolkit has something for everyone.

This Recovery Toolkit presents lessons learned in successful recovery of foodservice packaging. It is a comprehensive resource on what foodservice packaging is currently being recovered, collected, processed and marketed. Let's get started!





# Foam Recycling Coalition

- Establish and fund a proactive, multi-year grant program to...
  - Increase public access to post-consumer foam recycling through curbside and/or drop off programs
  - Drive actual recovery of foam (increased tons)
  - Generate success stories to document and leverage in communications to variety of stakeholders
- Grants will provide:
  - Foam recycling equipment.
  - Technical assistance to grant recipients and others interested in adding foam to their curbside recycling programs.

# Appendix

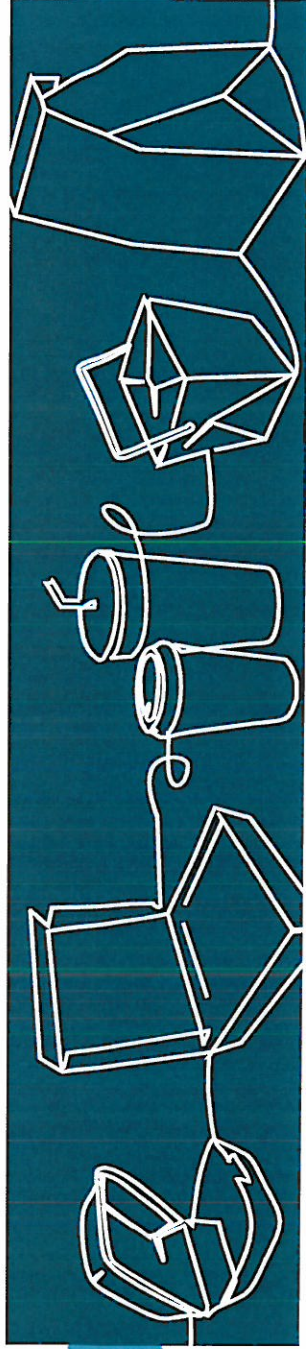




FOODSERVICE PACKAGING  
INSTITUTE

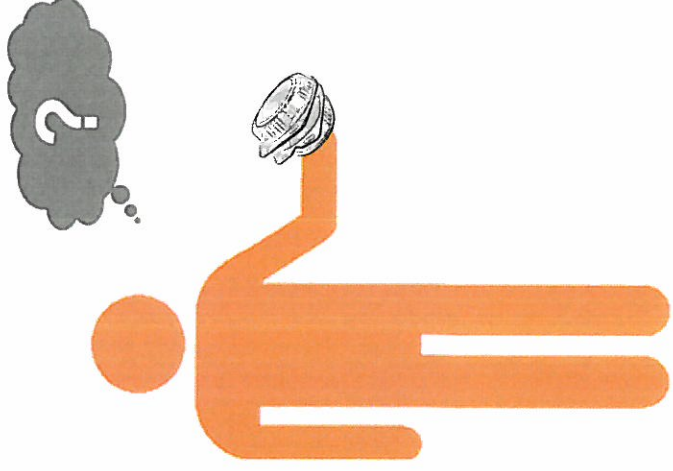
# Resident Messaging Survey

*Conducted Summer 2016*



# Speaking Their Language

How does the language on  
outreach material impact curbside  
behavior?



# Effective Recycling Instructions

Before



Nearly **40%** of residents said that “cups should be empty & clean” was **clearest**

After



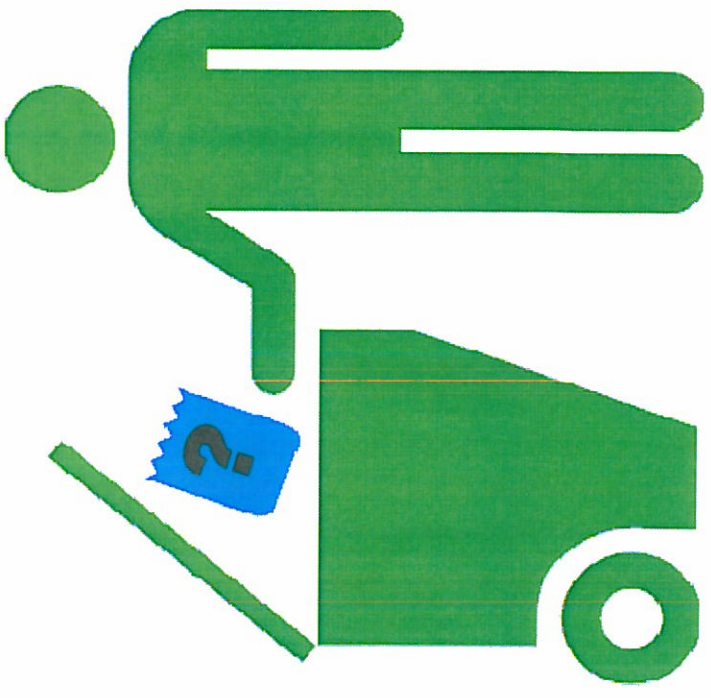
More **clear** than “clean” or “empty” alone

*Guideline Tip: Use the terms “empty & clean” are clearest when referring to recycling paper cups*



# Reliable Recycling Resources

Where do residents go to find out what's recyclable?



# Is it Recyclable?

Where do residents look **first** to find out if an item is recyclable?



Outreach Tip: Educate residents on recycling symbols on packaging

# Recycling Flyer Format

Which flyer format do residents find clearest?

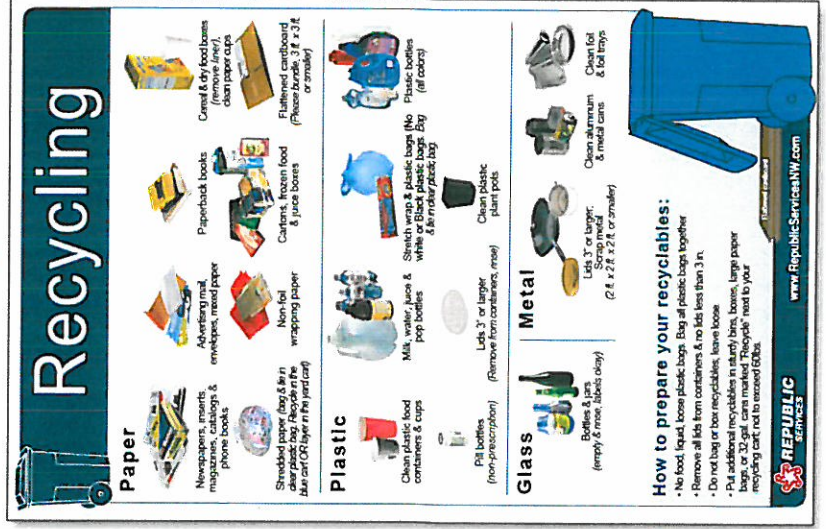
## Flyer 1

Images grouped by Recycling, Compost, Garbage



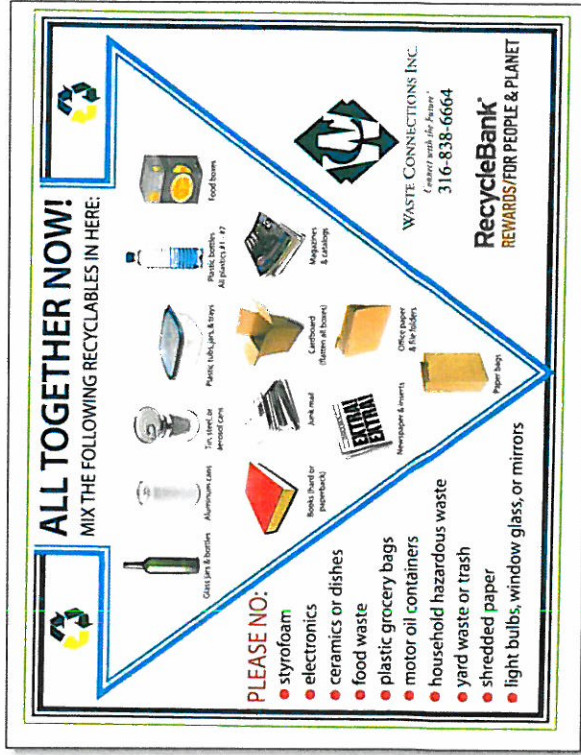
## Flyer 2

Images grouped by category - paper, plastic, glass and metal



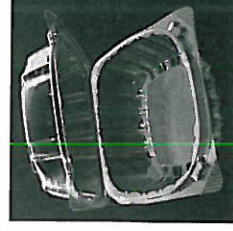
## Flyer 3

Images appear individually, not sorted by category











# Recycling Flyer Format Preference

Overall, **85%** of residents said that Flyer 2 was **clearest** in describing how to recycle this container









## Recycling





### Paper

-  Newspapers, inserts, magazines, catalogs & phone books
-  Shredded paper (bag & tie in clear plastic bag. Recycle in the blue cart OR layer in the yard cart)
-  Advertising mail, envelopes, mixed paper
-  Non-foil wrapping paper
-  Paperback books
-  Cartons, frozen food & juice boxes
-  Cereal & dry food boxes (remove liner), clean paper cups
-  Flattened cardboard (Please bundle, 3 ft. x 3 ft. or smaller)

### Plastic

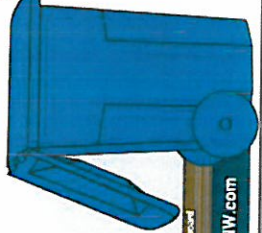
-  Clean plastic food containers & cups
-  Milk, water, juice & pop bottles
-  Stretch wrap & plastic bags (No white & black plastic bags. Bag & tie in clear plastic bag)
-  Plastic bottles (all colors)
-  Lids 3" or larger (Remove from containers, reuse)
-  Clean plastic plant pots

### Glass

-  Bottles & jars (empty & rinse, labels okay)
-  Lids 3" or larger, See metal
-  Clean aluminum & metal cans
-  Clean foil & foil trays

### How to prepare your recyclables:

- No food, liquid, loose plastic bags. Bag all plastic bags together.
- Remove all lids from containers & no lids less than 3 in.
- Do not bag or box recyclables; leave loose.
- Put additional recyclables in sturdy bins, boxes, large paper bags, or 32-gal. cans marked "Recycle" next to your recycling cart; not to exceed 60lbs.



Flattened cardboard

**REPUBLIC SERVICES**  
www.RepublicServicesNW.com

Flyer Design Tip: Categorize your recyclables, and use clear images with short text descriptions