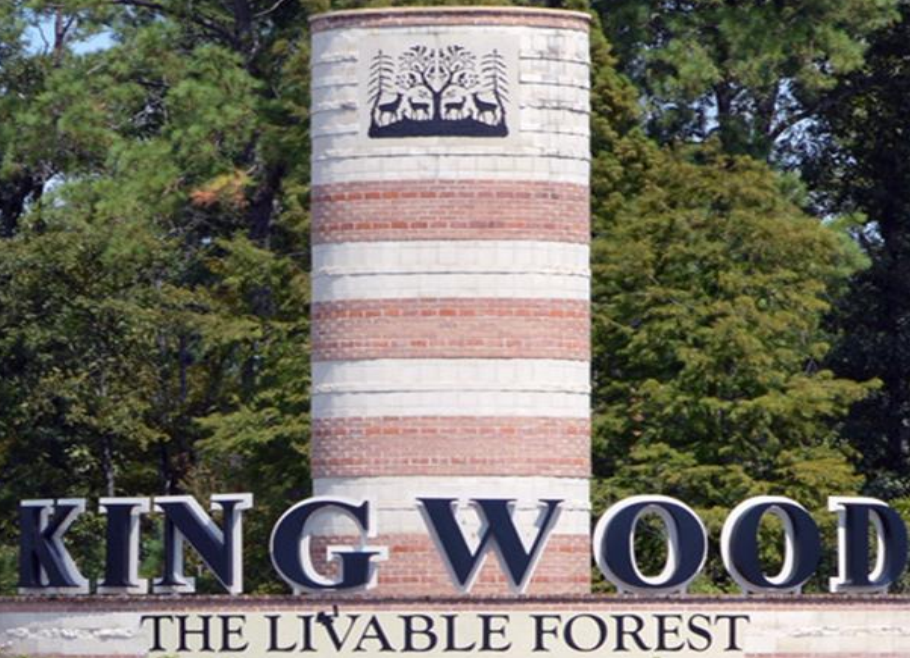


# Secrets to a Successful Recycling Program



Keep Kingwood Green Recycling Program  
Hal Offerman  
George Scullane

# Agenda

- I. Who We Are
- II. What We Do
- III. Mechanical Recycling
- IV. Advanced Recycling Program
- V. Challenges



# Who we are



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# Who We Are

- Keep Kingwood Green is a 501(c)(3) grassroots environmental group focusing mainly on improving recycling locally.
- KKG is an all-volunteer organization.
- “To educate and advocate for recycling in the Lake Houston area (and other issues as appropriate).”



# Recognition



- 2023 Mayor's Outstanding Proud Partner Award



Source: <https://www.houstonbeautiful.org/mayors-proud-partnership-awards.html>

# What we do



# Recycling Education

- Publish a local recycling guide
- Monthly electronic newsletter for subscribers
- Public speaking engagements



# Weekend Recycling

- Recycling bins are located at the Kingwood Park n Ride parking lot. We collect paper, plastics, glass (clear, green, and brown), cardboard, and aluminum cans.
- In addition there is a Packer Truck on site on Saturday morning and Sunday morning to address any overflows.





# E-Waste Recycling

- Monthly program partnership with the city and vendor, CompuCycle.
- This program has been in place for the past ten years to collect broken and obsolete electronics.
- Picked up 12K of electronics at last weekend's collection.



# BOPA Recycling Event

- Semi-annual event at our Kingwood Park & Ride location.
- Event primarily underwritten by the city of Houston



**Kingwood Metro Park & Ride**  
3210 W. Lake Houston Parkway  
Houston, Tx, 77039

**SATURDAY**  
**October 28, 2023**  
9:00 am to 1:00 pm

### We accept:



**Batteries**  
Rechargeable & Lead Acid



**Used Oil**  
Used motor & cooking oil  
15 qt. limit/each



**Antifreeze**  
15 qt. limit



**Latex Paint**  
15 gal. limit  
**No Oil-Based Paint**



**Appliances & Scrap Metal**  
Refrigerators, Freezers & Air Conditioners

### Event Ends Promptly at 1pm

Must present driver's license or water bill as proof of City of Houston residency.

#### Not accepted:

No Oil-based Paint, Paint without labels, Household Hazardous Waste/Chemicals, Business Waste, Medical Waste, Radioactive Waste, PCB's, Dioxins, Ammunition, Explosives, Compressed Gas Cylinders, Smoke Detectors, Household Trash or Tires.

Electronics will NOT be accepted at the BOPA events. Monthly electronics recycling events are held every 1st Saturday in Kingwood; and 2nd Saturday in Clear Lake.

NOTE: Only items listed will be accepted. No need to bring EMPTY Latex paint cans or those that have HARDENED. These can be thrown away with your household garbage.

\*Lead Acid Automotive, NiCad, Lithium Ion & Rechargeable Batteries accepted, (No Abuse)



Presented by  
Mayor Pro Tem **Dave Martin** and  
**Solid Waste Management Department**  
for information visit [www.houstonsolidwaste.org](http://www.houstonsolidwaste.org) or call 3-1-1

[@houstontrash](https://www.facebook.com/houstontrash)

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# School Recycling

- Training of custodial teams at each of the district high schools in best practice methods for separating recyclables from non-recyclables.
- Classroom speaking engagements about recycling at district schools
- Established recycling bins at the 50+ schools in the Humble ISD



# School Recycling

- Composting is the process of recycling organic matter, such as leaves and food scraps, decomposes into soil.
- A KKG team member teaches a composting class as an approved curricula within the math and science department
- Approximately 150 elementary school students complete the class each year at an adopted HISD elementary school.



**Heck even a 5<sup>th</sup> Grader can do it!**

**Oak Forest Elementary in Atascocita**

**Students make over a ton of compost each school year**

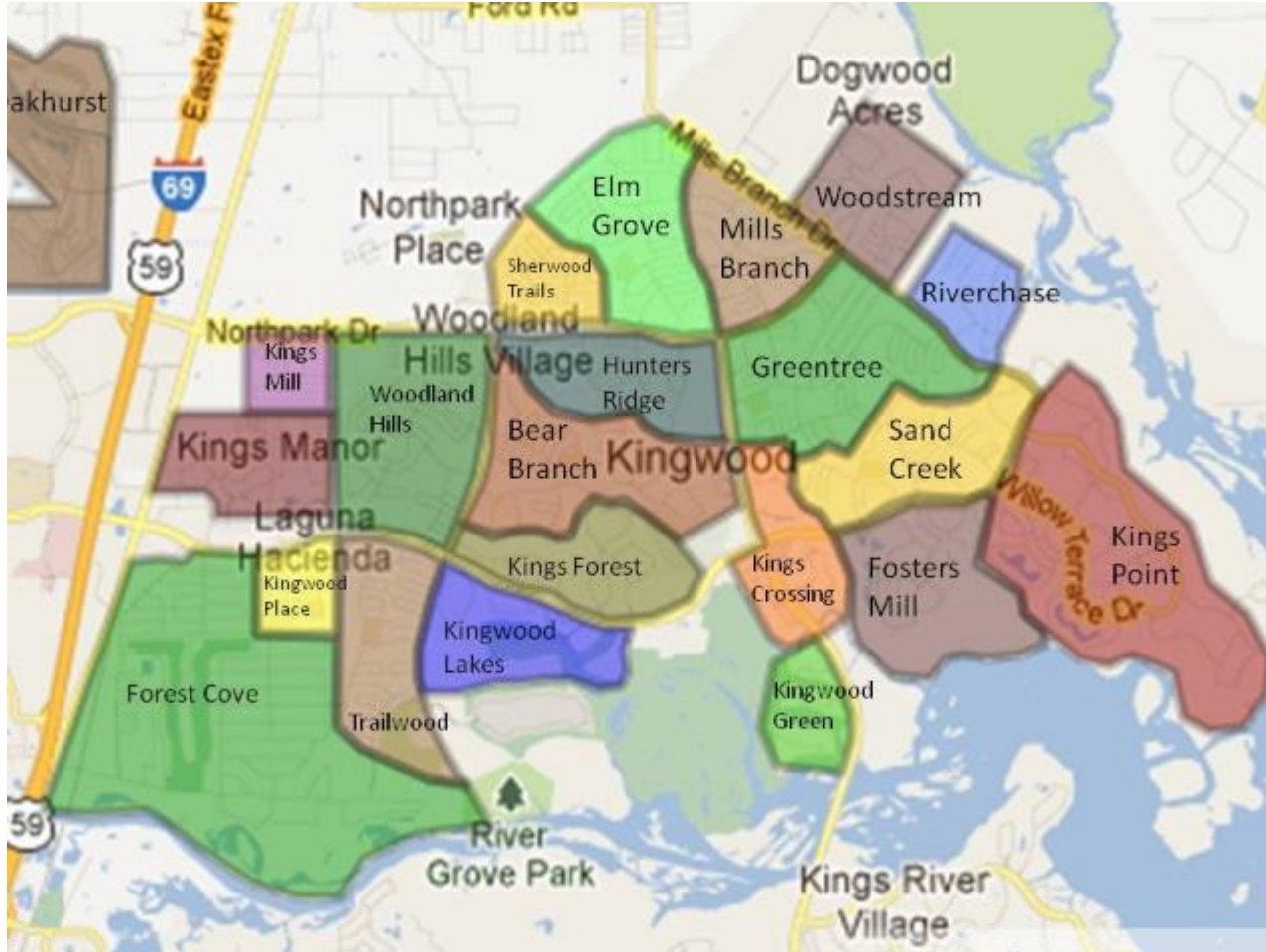


# Event Recycling Services



- We sell bin sponsorship advertising space to companies for local events

# Curbside Recycling



Source: <https://dianebowdoin.yourkwagent.com>



# Mechanical Recycling



# Mechanical Recycling








Plastics that enter the recycling streams have been processed through mechanical methods. Although this has resulted in thousands of tons of plastics per year being recycled, it represents less than 10% of plastics produced with the rest going to landfill, waste-to-energy, or in the environment.<sup>1</sup>



1. Source: National Overview: Facts & Figures on Materials, Wastes and Recycling, EPA.com



# Plastic Resin Identification Codes

	<b>PETE</b>	<b>Polyethylene Terephthalate</b>		soft drink and water bottles, food packaging, fruit, juice containers and cooking oil, shampoo bottles
	<b>HDPE</b>	<b>High Density Polyethylene</b>		milk, water, juice jugs, yogurt pots, soap dispenser, cleaning products, grocery bags
	<b>PVC</b>	<b>Polyvinyl Chloride</b>		pipe and window fitting, thermal insulation, car parts, trays for sweets, bubble foil, food foil
	<b>LDPE</b>	<b>Low Density Polyethylene</b>		frozen food bags, bread bags, food bags, shopping bags, magazine wrapping
	<b>PP</b>	<b>Polypropylene</b>		ketchup bottles, microwave meal trays, wall covering, syrup bottle, yogurt container
	<b>PS</b>	<b>Polystyrene</b>		cosmetic bag, plates and cups, CD cases, egg cartones, protective packaging
	<b>OTHER</b>	<b>Other</b>		5-gallon water bottles, other plastic including acrylicrylon, fiberglass, baby bottle



# Advanced Recycling



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# What if you could combine all your plastic waste, all together?

“The clothing tags and toy packaging, the bubble wrap and shopping bags, the frozen dinner film, and the foam peanuts. All plastics, all symbols, all numbers--eliminating the confusion of which plastics can be recycled.”<sup>2</sup>

## [Advanced Recycling](#)

2. Source: 10to90.com



# Advanced Recycling Program Members



Source: <https://houstontx.gov/hrc/>



# NEW ALL-PLASTIC RECYCLING PROGRAM

HOUSTON RECYCLING COLLABORATION

**All**

- ✓ **Plastics**
- ✓ **Numbers**
- ✓ **Symbols**

**TOGETHER**



Program powered by



**bag it &  
bring it**



# How Our Local Community Participates



Source: Cyclyx

- Bag all of their plastics for recycling, including plastics from #1 – #7 or plastics with no code and bring them to the Weekend Recycling at the Kingwood Park n Ride lot.
- Styrofoam can also be recycled as well as bubble wrap.
- 200,000 pounds of plastics collected since inception of the pilot program 10 months ago<sup>3</sup>.



# Challenges



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# Challenges

- Funding
- Recruiting
- Retention





# How to Find Us



713-206-0558



[info@keepkingwoodgreen.com](mailto:info@keepkingwoodgreen.com)



[@keepkingwoodgreen.org](https://www.keepkingwoodgreen.org)



Keep Kingwood Green

