

IT²

REDUCE-REUSE-RECYCLE
Pilot Program





IT² Reduce-Reuse-Recycle Program

- ▶ GOALS... The pilot project began November 2016 here in IT² with the following goals in mind:
 - Pilot this project in IT² for a period of time... “work the kinks out”
 - To the extent possible, gather data about the effort & record metrics
 - Evaluate the success of the project
 - Determine feasibility and scalability of the project to other buildings on our campuses
 - Create a culture of Reducing, Reusing, and Recycling

Update

The table below shows the amount of recyclable material that has been collected between the months of November 2016 and March 2017. We are currently waiting on the measurements for the months of April and May. Once we have those available we will share them with you.

DATE	CANS & PLASTICS	NEWSPAPERS	CARDBOARD	MULTIMEDIA/GLOSSY	SHREDDED PAPER
November 30, 2016	2.0 lb	1.0 lb	5.0 lb	5.0 lb	0
December 7, 2016	1.0 lb	0	0.5 lb	1.1 lb	0
December 15, 2016	0	0	20.0 lb	2.0 lb	0
January 11, 2017	2.0 lb	3.0 lb	20.0 lb	0	204 lb
January 20, 2017	6.0 lb	0	10.0 lb	0	0
March 28, 2017					112 lb

How We Will Implement the Pilot Program at IT²

- ▶ The North end of the IT² breakroom has been designated as the recycling area for the building. Receptacles have been clearly labeled for sorting.
- ▶ Each office will be issued several recycling receptacles in addition to their regular general trash containers for use in individual offices or shared space. These receptacles, whether used in personal offices or a shared space, will need to be taken to the breakroom for sorting.
 - ▶ Receptacles are available contacting Richard P. Sanchez at 956-665-3668 or at richard.sanchez@utrgv.edu.
- ▶ Each individual staff member is responsible for his or her own recycling; recycle as needed and sort as follows:
 - ▶ **Paper...** to include copy paper, glossy paper, and magazines
 - ▶ **Cardboard...** to include cardboard and cardstock paper
 - ▶ **Newspapers...** black & white newspapers to include all inserts
 - ▶ **Plastic & Aluminum Bottles...** no glass bottles
- ▶ Normal trash will be collected as per the building's regular schedule

Proper Methods - What condition must the recyclables be in?

- This is VERY important!
 - FOR FOOD & BEVERAGE - Materials with food or beverage residue will contaminate an entire truck load of recyclables. It is important to rinse and clean materials before you place them in the recycling container.
 - FOR PAPER - No Binder clips... staples, spiral and other binding is ok. No telephone books.
 - ALL paper, including sensitive documents, should be deposited in the large black bins designed to accept sensitive documents.
 - Documents must fit within the opening of the receptacle to be acceptable.
 - No need to shred any documents. All paper including sensitive files will be shredded at the CESS facility



INTERNATIONAL & EXECUTIVE BOARD ROOMS

- ▶ An effort will be made to recycle materials used during events held in the International Room and the Executive Board Room.
 - ▶ A receptacle labeled for paper disposal will be found at the back of the International Room and should accept copy paper, glossy paper, and magazines.
 - ▶ A receptacle labeled for plastic and aluminum will be found at the back of the International Room and should accept plastic and aluminum bottles.
 - ▶ *Persons hosting events in the International Room will be encouraged to take recyclable materials to the North end of the break to sort materials collected during their event.
 - ▶ Persons hosting events in the Executive Board Room will be encouraged to use the recycling bins found on the North end of the break room.

CAMPUS FACILITIES DEPARTMENT RESPONSIBILITY

- ▶ Facilities will pick up the recyclables regularly from the **Designated Building Recycling Area (the Breakroom)**.
- ▶ They will take the recyclables to the weigh station and record the information (pilot project only at this time)
- ▶ The recyclable trash is then put in the area for pick up by the **City of Edinburg**.

CITY OF EDINBURG RESPONSIBILITY

- ▶ The City will be responsible for picking up the recyclable trash from the UTRGV Edinburg campus.
- ▶ The City will also be responsible for weighing and measuring the volume of trash and recyclables that UTRGV generates.
- ▶ It will provide a monthly report of metrics to UTRGV Campus Facilities Operations Department.

Materials accepted at the Edinburg Recycling Center

- ▶ **Cardboard**--Corrugated cardboard boxes, press-board (i.e. cereal, cake mix, food packaging, paper and bathroom tissue cores, poster board, folders.) No waxed cardboard, must be free of any plastic, foam or non-cardboard material.
- ▶ **Newspaper**--Black and white newsprint including all inserts found in a newspaper.
- ▶ **Magazines**--Magazines free of plastic wrap.
- ▶ **Books**--Paper back books, catalogs, phone books, *Hard cover books must have cover removed.
- ▶ **Computer Paper**--Green, gray and blue bar only.
- ▶ **White Bond/Ledger**--Office and school paper with black ink, typical junk mail including: envelopes (window film must be removed.)
- ▶ **Colored Bond/Ledger**--Same as white bond/ledger paper but colored.
- ▶ **Aluminum Cans**--Beverage cans, empty of liquid and/or foreign matter, other food cans made totally of aluminum.
- ▶ **Tin/Steel Cans**---Clean empty cans. Removal of labels or flattening not necessary. Please note on frozen juice containers, only the end lids are metal and must be removed from carton cylinder.
- ▶ **Plastic** --PETE, Pet #1, Soft drink bottles, and other food containers clear or colored. Empty and rinse out if needed. KPDP #2 Milk and water jugs, detergent, shampoo, etc. Please no content residue, rinse as needed.
- ▶ **Automotive Waste**--Used motor oil, free of water and foreign debris. Lead acid batteries.
- ▶ **Household Hazardous Waste**--Texas Law, effective April 1, 1994, does not allow for the collection and disposal of tires, lead acid batteries, used motor oil, oil filters, antifreeze or coolants. Some of these items can be recycled. For more information on these items, please call the Edinburg Recycling & Educational Center at 956-292-2133
- ▶ **Paint**--The best way to manage oil-based paint is to "Use It up" or "Pass It On". Small amounts of paint can be mixed together with other colors or bulked together and used as a primer coat or on jobs where the final finish is not critical. Avoid creating waste at the start. Also adding mulch or letting the paint dry can be another way of safe disposal

* Red indicates focus for this project

RESOURCES...

Please use the following pages as a resource to increase your knowledge of good recycling habits and tips on how to reduce and reuse products.

A number of websites and local resources are provided at the end of the document.

Reduce - Reuse - Recycle

- ▶ **Reduce** the amount and toxicity of trash you discard.
- ▶ **Reuse** containers and products; repair what is broken or give it to someone who can repair it.
- ▶ **Recycle** as much as possible, which includes buying products with recycled content.



Top 20 Things To Recycle and Reuse

When people think of recycling, they think about recycling things such as aluminum cans, plastic water bottles and plastic grocery bags. But in reality, you can recycle almost anything. Here is a list of 20 common things you can recycle.



Food

Setup a compost heap in your backyard. Instead of throwing old food in the trash, throw it in the compost heap. You can use it to fertilize your garden.



Cell phones

Cell phones can be recycled for their parts which are re-used in new cell phones.



Magazines

Since magazines are made up of paper, all recycling centers and local curbside recycling services will accept these. You can also donate these to local schools or libraries.



Books

Books can be donated to schools, libraries and other charities. Also, these can be recycled at your local recycling center or in your local curbside recycling program.



Plastic Bags

Every supermarket has a bin located at the front for dropping off your plastic bags. You can also create some interesting decorative items from old supermarket plastic bags.



Fire extinguishers

Contact your hazardous waste center to learn how to recycle your fire extinguishers.



Cardboard boxes

Many local non-profit firms accept these boxes for their personal use.



Clothes

Clothes are one of the easiest things to recycle as so many charitable organizations will accept them such as Goodwill, Veteran's Support Groups including many churches around your locality.



Vintage Jewelry

Almost every jewelry item can be melted down and refashioned into something new for you. Recycle your jewelry and get a new item with an improved design.



Appliances

Washers, dryers, stoves and refrigerators are accepted by local thrift shop or charitable organizations. If the product is not working, take it to your local recycling center.



Computers

If your computer still works, you can donate it to a local library, school or charity. If it no longer operates, contact your local recycling center.



Tires

Tires are harmful for landfills as they consume lot of space, and can leach dangerous chemicals over time and can cause fire hazard. Tires are taken by local recycling centers and can be used for a variety of purposes. These tires can be shredded for rubber mulch, recycled into new tires, and recycled into rubber containers.



Paint

Paint is considered as hazardous waste. You cannot dispose off paint by dumping it into a drain or storm sewer. Many recycling centers accept paint which can be blended into some fuels at different manufacturing facilities.



Batteries

If you're not already using rechargeable batteries, please consider doing so. Most recycling centers will accept batteries, depending on its type.



Televisions

Old TV sets fill landfills and can leak dangerous chemicals harmful to animals and humans as well. If the TV works, you can sell it or give it to charity. If it does not work, most local recycling centers take them free of charge.



Paper

Every type of paper can be recycled including notebook paper, newspapers, food packaging, etc... All recycling centers accept paper and most communities now have recycling programs with curbside pick-up for paper.



Shoes

Charities and thrift shops will accept shoes which can be used. Nike also has a used shoe program that sends used athletic shoes to Africa and Latin America.



Glass

Recycling glass containers of any type is generally about 33% more efficient than producing it from scratch. This saves energy consumption which reduces carbon emissions.



Old Christmas Lights

How many times have you pulled out the Christmas lights from last year and they did not work? Instead of throwing them away, recycle them. Some lighting companies will take these.



Eyeglasses

Old glasses can be donated to many charitable organizations. If you are not aware of any such organization, your eye doctor will also take them and send them to a deserving charity.

What Can You Do? Top 20 things to Recycle and Reuse.

SOME INTERESTING RECYCLING FACTS



Aluminium

24 million tons of aluminium is produced annually, 51,000 tons of which ends up as packaging in the UK.

If all the cans in the UK were recycled, we would need 14 million fewer dustbins.

£36,000,000 worth of aluminium is thrown away each year.

Glass

Every family in the UK use on an average of 500 glass bottles and jars annually.

The largest glass furnace produce over 1 million glass bottles and jars per day.

Glass is 100% recyclable and can be used again and again.



Paper

Recycled paper produces 73% less air pollution than if it was made from raw materials.

12.5 million tons of paper and cardboard are used annually in the UK.

On an average a single family in the UK use 38kg of newspapers per year.

Plastic

275,000 tons of plastic are used each year in the UK, that's about 15 million bottles per day.

Most families throw away about 40kg of plastic per year, which could otherwise be recycled.

The use of plastic in Western Europe is growing about 4% every year.



References:
http://www.recyclingcenters.org/Top_20_Things_To_Recycle_and_Reuse.php
<http://www.recycling-guide.org.uk/facts.html>

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Simple Ways to Reuse

- ▶ Use durable coffee mugs, glasses, plates and silverware.
- ▶ Use cloth napkins, towels and diapers.
- ▶ Wash and refill plastic and glass bottles and cartons.
- ▶ Donate old magazines or surplus equipment.
- ▶ Reuse boxes, plastic and paper bags.
- ▶ Save and reuse gift wrap paper, bows and ribbon.
- ▶ Purchase refillable pens and pencils.
- ▶ Purchase previous-used building supplies from a recycled materials supplier.
- ▶ Participate in a paint collection and reuse program.
- ▶ Use the back side of printed paper by cutting into 4s and reusing as scratch pads.
- ▶ Reuse lumber products and windows for other projects.
- ▶ Use film canisters for storing coins, paper clips, etc.
- ▶ Turn print cartridges in at office supply stores (often you can get store credit!)
- ▶ Use refillable razors, lighters and cameras.
- ▶ Use rechargeable batteries.

Benefits of Recycling

- ▶ Conserves resources for our children's futures.
- ▶ Prevents emissions of many greenhouse gases and water pollutants.
- ▶ Saves energy and reduces garbage rates.
- ▶ Supplies valuable raw materials to industry.
- ▶ Creates jobs.
- ▶ Stimulates the development of greener technologies.
- ▶ Reduces the need for new landfills and incinerators.

Recycling is important

Our waste has to go someplace - the sad truth is that most ends up in:

- Landfills
- Nature
- Streets



▶ Local Resources

▶ **Brownsville**

- ▶ Redfish Recycling 956-299-8025
- ▶ Port of Brownsville Recycling 956-831-6707
- ▶ Brownsville Scrap Paper Inc. 956-838-1999
- ▶ City of Brownsville Landfill <http://publicworks.cob.us/business>

▶ **Edinburg**

- ▶ Public Works <http://www.cityofedinburg.com/publicworks.php>
- ▶ Edinburg Recycling & Education Center <http://www.cityofedinburg.com/recycle.php>

▶ **McAllen**

- ▶ City of McAllen Public Works <http://www.mcallenpublicworks.net/recycling.php>

▶ **Harlingen**

- ▶ Tire Recycling & Processing LLC 956-428-8473
- ▶ Harlingen Recycling Inc. 956-428-7407
- ▶ Harlingen Recycling Center 956-427-8824
- ▶ City of Harlingen Public Works <http://www.myharlingen.us/page/pw.home>
- ▶ Keep Harlingen Beautiful http://www.myharlingen.us/page/hgnproud.about_us

▶ **South Padre Island**

- ▶ City of South Padre Island Public Works <http://www.townspi.com/department/?structureid=33>
- ▶ Recycling Center <http://www.myspi.org/eGov/apps/services/index.egov?view=detail;id=7>
- ▶ Sea Turtle Inc. RGV Recycling Guide <http://www.seaturtleinc.org/rgv-recycling-guide/>

▶ **Rio Grande City**

- ▶ Grande Garbage Collection Co. 956-287-4234
- ▶ ecoATM Recycling Center 4031 E. 4031 US 83, Rio Grande City

Produced by the UTRGV Office for Sustainability and the UTRGV Recycling Committee

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