

VALENCIA COLLEGE

Valencia College Recycling Efforts

Board of Trustees Update – December 6, 2017

Recycling update

Waste Prevention

- Print reduction efforts
- Water refilling stations on drinking fountains
- Use of workflow versus paper forms
- Communication and awareness



Recycling update

Recycling and Reuse

- Single stream receptacles
 - Recycling made easier
 - Decreases custodial labor and supply costs
 - Less contamination
- Yard and Food Waste
 - Compost
- Construction recycling



Recycling Update

Construction Waste

School of Arts and Entertainment

Material	Tons	%
Concrete	174.98	50.49
Cardboard	2.10	.61
Drywall	22.34	6.45
Metal	2.18	.63
Wood	60.21	17.38
Plastic	5.92	1.71
Non-Recyclables	78.80	22.74
Total	346.53	100.00

Recycled/Diverted 267.27 tons – 77%

Poinciana Campus

Material	Tons	%
Concrete	99.46	27.86
Cardboard	3.90	1.09
Drywall	46.40	13.00
Metal	9.58	2.68
Wood	138.24	38.72
Plastic	0	0
Non-Recyclables	59.43	16.65
Total	357.01	100.00

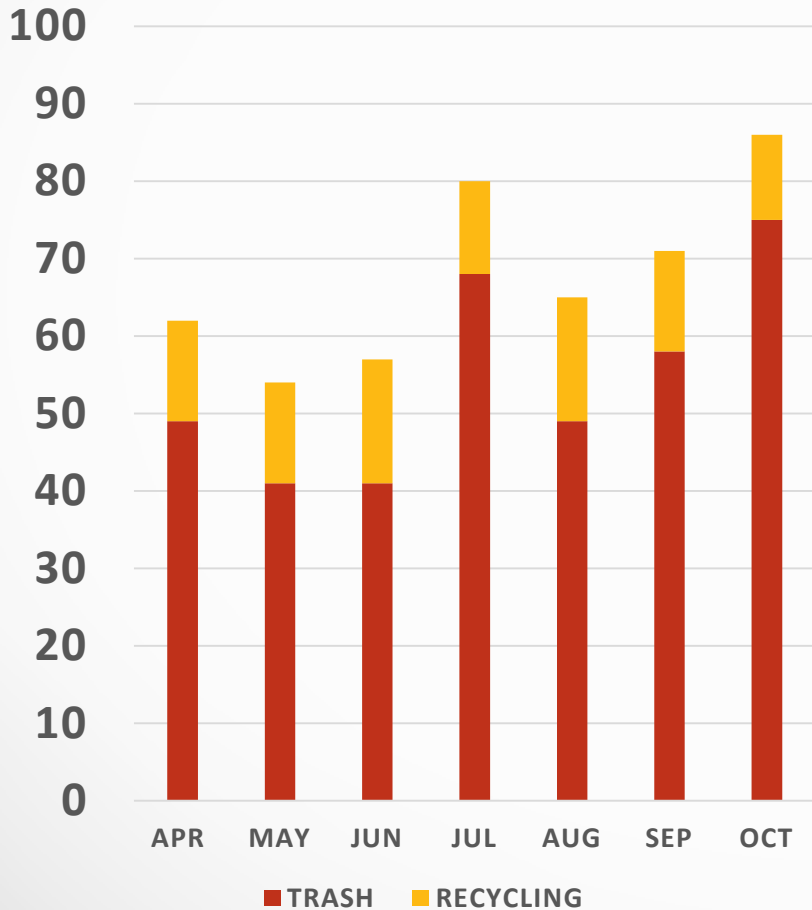
Recycled/Diverted 297.58 tons – 83 %

Recycling Update

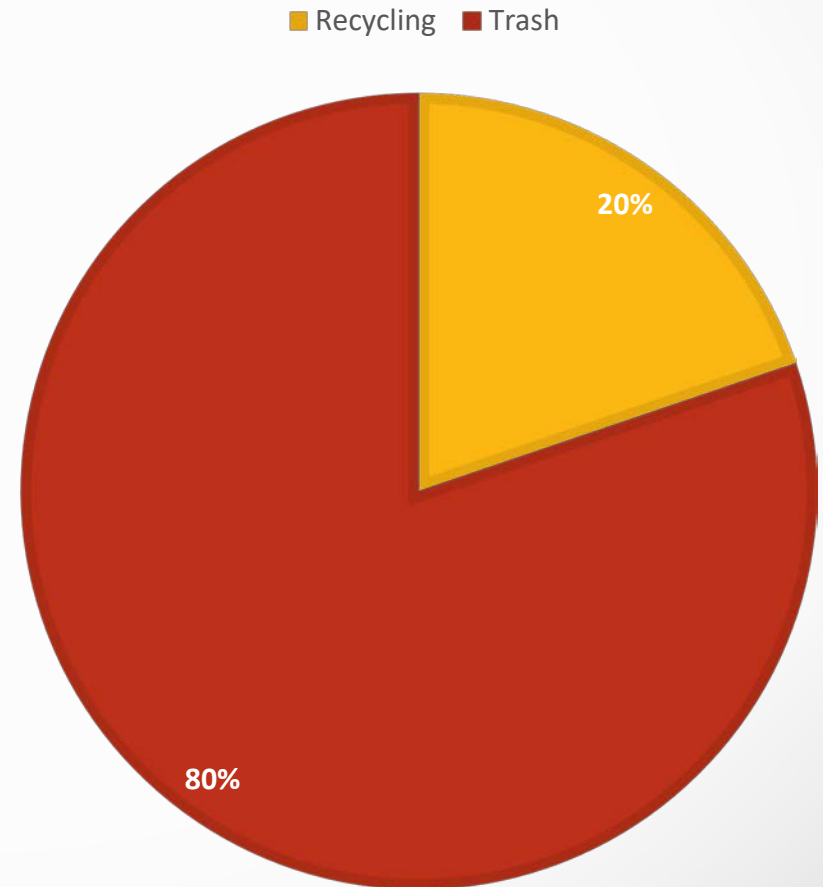
Diversion — Waste Hauler

Tons

MONTHLY DIVERSION



RECYCLING DIVERSION



Recycling Update

Partner List

Company	Item	Process	Recycling or Disposal Method
Triumvirate Environmental	Light Bulbs	Used light bulbs are stored in Plant Operations until enough have accumulated to warrant a pick-up.	Registered mercury handler and ensures proper removal, transportation and disposal of used bulbs.
Triumvirate Environmental	Paint	Stored in Plant Operations until enough old paint is accumulated to warrant a pick-up.	Vendor ensures proper removal, transportation and disposal of old paint.
Triumvirate Environmental	Tires	Stored in Plant Operations until enough tires are accumulated to warrant pick-up.	Vendor ensures proper removal, transportation and disposal of used tires.
Triumvirate Environmental	Lithium Batteries	Stored in various departments until enough batteries are accumulated to warrant a pick-up.	Reviewing vendor recycling process.
Republic Services	Paper/Plastic/Aluminum	Collected by Custodial Team. Vendor picks up on regular basis when consolidated containers are full.	Vendor transports paper/plastic/aluminum to sorting location in Orlando then separated/sent to a recycling center.
Republic Services	Yard Waste	Collected in bins by the grounds Department and hauled by vendor when the bin is full.	Vendor takes yard waste to a composting facility in Orlando.
Republic Services	Non-Working Appliances/Equipment	Stored in Plant Operations and disposed of when enough items have accumulated to warrant pick-up.	Vendor is contacted for the non-working appliances and equipment to be recycled or disposed of.
City of Orlando	Commercial Food Waste	Stored in a special container on West Campus and picked-up by vendor when full.	Vendor takes food waste from the Culinary Department to a composting facility in Orlando.
Orlando Recycles	Electronics, Computers, furniture and Equipment	Stored at Campuses and disposed of when enough items have accumulated to warrant a pick-up.	Vendor transports all computers and electronics that are obsolete, damaged or deemed no longer needed. All items are sorted for recycling and re-use.

Recycling Update



Partner List

Company	Item	Process	Recycling or Disposal Method
Terracycle	Pens/Pencils/ Markers	Collected in bins located in classrooms and sent to vendor when a collection box is full.	Collect items and fill a pre-paid collection box that is sent to vendor for processing. All items are sorted for recycling and re-use.
No Current Vendor	Alkaline Batteries	Collected in bins located in OIT Department and sent to vendor when bins are full.	Currently looking at options for batteries. We anticipate beginning battery recycling in 2018.
PropertyRoom.Com	Lost-And-Found and Working Appliances/ Equipment	Stored in Security and areas designated by the Campus Manager and disposed of when enough items have accumulated to warrant a pick-up.	Online auction for lost-and-found items and any goods that still have use and a monetary value to the college.
PCR America	Printer Toner and Cartridge	Stored in Receiving Areas until enough have accumulated to warrant a pick-up.	Vendor takes all used printer toner containers and cartridges to be recycled and re-used.
Fire Academy	Wood Pallets	Stored in Plant Operations until enough have accumulated to warrant transport to the Fire Academy.	Send wood pallets to the Fire Academy so that they can use them as fuel for fire training.
Various Vendors	Carpet	All carpet that can be recycled is the responsibility of the installation contractor and must be recycled accordingly.	Vendor removes and transports old carpet for recycling or proper disposal.
No Current Vendor	Ceiling Tiles	Stored in Plant Operations and disposed of when enough items have accumulated to warrant a pick-up.	Currently looking at options for ceiling tiles.
Safety Kleen	Parts Washer Fluid	Collected in Plant Operations and disposed of when enough volume has accumulated.	Vendor removes and transports used fluid for proper disposal.

Recycling Update

Waste Disposal and Treatment

- Hazardous waste
 - Chemicals and Biomedical waste
 - Picked up at all Valencia locations
 - \$70K per year



- Monitoring at the highest level
 - Self Monitor / inventory management
 - Cradle to grave accountability
 - City and County
 - Environmental Protection Agency



Recycling Update

Going Forward

- Identify more opportunities to reduce trash while increasing % recycled
- Become more metric driven
- Identify cost reduction options
- Connection with:
 - Curriculum and faculty development
 - Community organizations
 - Internships / Service learning
- Awareness and communication