

# TEMPLE UNIVERSITY FY 2013 RECYCLING & TRASH REPORT



**2012 - 2013**  
[sustainability.temple.edu](http://sustainability.temple.edu)

# EXECUTIVE SUMMARY

In May 2010, Temple University adopted its Climate Action Plan, which addresses the role of recycling and waste minimization as part of its comprehensive efforts to reduce the university's carbon footprint. The plan established a goal of increasing the recycling rate to 40% and reducing the amount of greenhouse gas emissions derived from land-filled solid waste by 10% by 2015 relative to its 2006 baseline levels. Between CY 2006 and FY 2013, Temple's recycling rate increased from 24% to 36% and the university has achieved a 50% reduction in solid waste emissions.

In an effort to track university trends in recycling and waste minimization efforts, Temple University's Office of Sustainability prepares an annual Recycling & Trash Report. Below is a summary of recycling and trash data and trends for FY 2013.

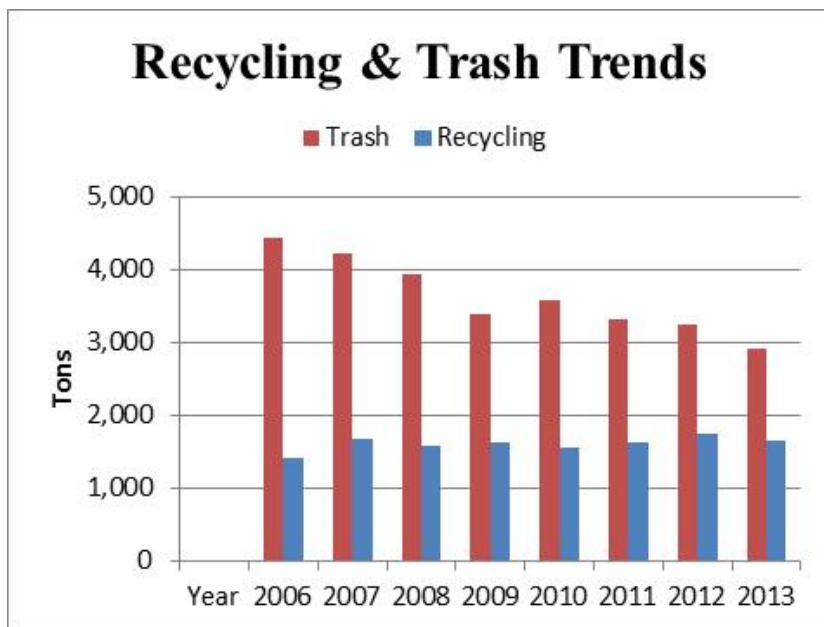
FY 2013 Materials	Main Podiatry HSC Ambler	Res. Halls	Gittis Student Center	Liacouras Center	Diamond Club	Total Tons Collected	%	Total Cost	Cost per Ton
<b>Recycling</b>	1,641.21	-*	-*	13.47	-*	1,654.68	36%	\$38,895	\$23.51
<b>Trash</b>	1,874.50	627.93	325.45	62.36	26.52	2,916.76	64%	\$468,612	\$160.66
<b>Total</b>	3,515.71	627.93	325.45	75.83	75.83	4,571.44	100%	\$507,507	\$111.02

\* Recycling materials are included with Main Campus (column 2)

From FY 2012 to FY 2013, recycling amounts decreased by 78.33 tons and trash amounts decreased by 335 tons. While the decrease in recycling could have been caused by the large decrease in trash, it is likely that campus waste minimization programs impacted overall recycling amounts.

Waste minimization efforts for FY 2013 included:

- The hosting of Temple's first zero-waste event (PA/NJ Sustainability Symposium);
- Continuation of the Give + Go Green initiative in residence halls;
- Introduction of the Music Swap Table through the Boyer College of Music, which made available lightly used sheet music;
- Installation of more water bottle filling stations in FY 2013 to reduce the number of single use bottles;
- Donation of surplus clinical equipment from the Old Medical School;
- Installation of trash compactors which resulted in a 16% decrease in street collection tonnage.



Recycling and trash data is provided by university affiliates and compiled by the Office of Sustainability into one report (refer to the attachment). One reporting change from FY 2102 to FY 2013 is the inclusion of the Diamond Club recycling and trash amounts.

**ATTACHMENT**  
**FY 2013 Recycling & Trash Spreadsheets**

# TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT

Fiscal Year 2013

## Recycling and Trash Collection Summary

*prepared by the Office of Sustainability*

	Main Podiatry <sup>a</sup> HSC <sup>a</sup> Ambler	Residence Halls	Gittis Student Center	Liacouras Center	Diamond Club	Total Tons Collected <sup>c</sup>	%	Total Cost	Cost Per Ton
Recycling	1,641.21	- <sup>b</sup>	- <sup>b</sup>	13.47	- <sup>b</sup>	1,654.68	36%	\$38,895	\$23.51
Trash	1,874.50	627.93	325.45	62.36	26.52	2,916.76	64%	\$468,612	\$160.66
<b>Total</b>	<b>3,515.71</b>	<b>627.93</b>	<b>325.45</b>	<b>75.83</b>	<b>26.52</b>	<b>4,571.44</b>	<b>100%</b>	<b>\$507,507</b>	<b>\$111.02</b>

**Notes:**

(a) Health Sciences Center (HSC) includes Temple University buildings only, not buildings owned by Temple University Health System.

Podiatry includes school and housing

(b) Recycling materials are included in column 2.

(c) Total tons collected do not include construction materials.

**Data provided by:**

Trash: Office of Facilities Management, Division of Student Affairs and the Liacouras Center

Recycling: Office of Facilities Management (Recycling Office), Computer Recycling Center and the Liacouras Center

Donations: Office of Facilities Management, Division of Student Affairs, Campus Recreation and Community Relations

# TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT

Fiscal Year 2013

Trash Collection

*prepared by the Office of Sustainability*

Basic Materials	Main Podiatry <sup>a</sup> HSC <sup>a</sup> Ambler	Residence Halls	Gittis Student Center	Liacouras Center	Diamond Club <sup>d</sup>	Total Tonnage	%	Total Cost	Cost Per Ton
Truck Collections <sup>b</sup>	1444.98	0	0	0	0	1444.98	50%	\$331,984	\$229.75
Outside vendors <sup>c</sup>	429.52	627.93	325.45	62.36	26.52	1471.78	50%	\$136,628	\$92.83
<b>Total Trash</b>	<b>1874.5</b>	<b>627.93</b>	<b>325.45</b>	<b>62.36</b>	<b>26.52</b>	<b>2916.76</b>	<b>100%</b>	<b>\$468,612</b>	<b>\$160.66</b>

**Notes:**

(a) Health Sciences Center (HSC) includes Temple University buildings only, not buildings owned by Temple University Health System.

Podiatry includes school and housing

(b) Truck collections refer to the truck collection of trash by Temple employees and includes personnel costs, vehicle maintenance and fuel, tipping fees to landfills.

(c) Outside vendors refer to the costs paid to outside vendors to haul open full containers and tipping fees to landfills.

Does not include the costs of Temple employees to fill the open containers.

(d) The collection of Diamond Club trash data began in FY2013

**TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT**

**Fiscal Year 2013**

**Recycling Report**

*prepared by the Office of Sustainability*

Basic Materials	Main Podiatry HSC	Ambler	Total Recycling All Campuses	TU Health System (not included in summary)	Total Recycling TU & TUHS (not included in summary)	Total Recycling Costs	Liacouras Center*	
	Tons	Tons	Tons	Tons	Tons		Tons	Cost
Mixed Office Paper	650.50	26.32	676.82		676.82			
Corrugated Cardboard (TUHS Single Stream)	233.76	8.78	242.54	645.14	887.68			
Bottles & Plastics (co-mingled) Single Stream	63.19	3.88	67.07		67.07			
				270.97	270.97			
<b>Subtotal - Basic Materials</b>	<b>947.45</b>	<b>38.98</b>	<b>986.43</b>	<b>916.11</b>	<b>1,902.54</b>	<b>\$13,325.06</b>	<b>13.47</b>	<b>\$1,560.00</b>
Secondary Materials								
Food Waste (Diamond Club, Gittis, J&H)	115.30	0.00	115.30	36.24	151.54	<b>\$15,602.10</b>		
Fryer Oil	26.55	0.00	26.55	9.55	36.10			
Leaves	11.20	24.00	35.20	0.00	35.20			
Tree Limbs/Brush	75.01	4.38	79.39	0.00	79.39			
<b>Subtotal - Secondary Materials</b>	<b>228.06</b>	<b>28.38</b>	<b>256.44</b>	<b>45.79</b>	<b>302.23</b>	<b>\$15,602.10</b>	<b>0.00</b>	<b>\$0.00</b>
Special Materials								
Computer Equipment - Recycled	57.28		57.28		57.28			
Computer Equipment - Diverted/Reused	39.81		39.81		39.81			
Toner & Ink Jet Cartridges	3.32		3.32		3.32			
Chemical Waste	0.00		0.00		0.00			
Universal Waste (florescent lamps, rechargeable and lead acid batteries)	0.81		0.81	0.19	1.00			
Recycled Materials (Lead, Rags, Alkaline Batteries, Oil)	7.88		7.88	1.08	8.96			
Scrap Metal	28.49		28.49		28.49	-\$7,632.47		
Pallets	80.95		80.95		80.95			
Tyler Glass	12.35		12.35		12.35			
Tyler/Anderson/Tomlinson Revolution Recovery	15.68		15.68		15.68			
Donations	30.32		30.32		30.32			
Plastic Bags (provided by CRC)	0.48		0.48		0.48			
Residential Hall Give + Go Green	2.36		2.36		2.36	-\$235.60		
Residential Hall Revolution Recovery	118.62		118.62		118.62	\$16,275.82		
<b>Subtotal - Special Materials</b>	<b>398.34</b>	<b>0.00</b>	<b>398.34</b>	<b>1.27</b>	<b>399.61</b>	<b>8,407.75</b>	<b>0.00</b>	<b>\$0.00</b>
<b>Campus Totals</b>	<b>1,573.85</b>	<b>67.36</b>	<b>1,641.21</b>	<b>963.17</b>	<b>2,604.38</b>	<b>\$37,334.91</b>	<b>13.47</b>	<b>\$1,560.00</b>

Total Recycling Cost: \$38,894.91  
Total Tons of Recycling (University Only): 1,654.68

# TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT

Fiscal Year 2013

Charitable Donations

prepared by the Office of Sustainability

## OFM Surplus Inventory FY2013

Organization	Date	Description	Quantity	Weight Each (pounds)	Total Weight (pounds)
KIPP DuBOIS ACADEMY	7/6/2012	OFFICE FURNITURE & CLASSROOM DESKS	71	30	2130
ACCEL COMMUNITY PROGRAMS	7/23/2012	STUDENT STUDY CARRELS	30	30	900
JOSHUA ACHIEVEMENT CENTER	7/30/2012	STUDENT STUDY CARRELS	25	30	750
JOSHUA ACHIEVEMENT CENTER	8/22/2012	WOODEN STORAGE CONTAINERS	2	300	600
TAYLOR MEMORIAL BAPTIST CHURCH	10/5/2012	OFFICE FURNITURE	10	30	300
MISSION RELIEF (COATESVILLE, PA)	10/9/2012	CSAR & BIOCHEMISTRY DEPT LAB EQUIPMENT	20	50	1000
ENVIROKURE, INC.	10/9/2012	GLASSWARE FROM CSAR & BIOCHEMISTRY	15	20	300
MISSION RELIEF (COATESVILLE, PA)	10/16/2012	CSAR & BIOCHEMISTRY DEPT LAB EQUIPMENT	40	20	800
HYPERCAT ALC (WEST CHESTER, PA)	10/25/2012	ROOM 513 OLD MEDICAL SCHOOL (Entire Lab Furniture)	1	15000	15000
MISSION RELIEF (COATESVILLE, PA)	10/25/2012	BIOCHEMISTRY DEPT LAB EQUIPMENT	5	100	500
TRUBRIGHT SCIENCE ACADEMY (PHILADELPHIA, PA.)	10/26/2012	OFFICE FURNITURE	10	40	400
MISSION RELIEF (COATESVILLE, PA)	11/1/2012	CARDIOVASCULAR RESEARCH (2ND FLOOR OMS)	10	100	1000
MISSION RELIEF (COATESVILLE, PA)	11/8/2012	CARDIOVASCULAR RESEARCH (2ND FLOOR OMS)	11	100	1100
HERBERT MILLEN MASONIC LODGE	11/14/2012	BIOCHEMISTRY "DELI" FRIGDE/MISC OFFICE FURNITURE	20	75	1500
MISSION RELIEF (COATESVILLE, PA)	12/5/2012	ANATOMY (EKG,OVEN, X-RAY, WARMING BED)	10	50	500
NORTHEAST HIGH SCHOOL (PHILADELPHIA)	12/5/2012	MICROBIOLOGY (CELL CULTURE HOOD)	1	300	300
MISSION RELIEF (COATESVILLE, PA)	1/8/2013	HSC WAREHOUSE (BEDS, EQUIPMENT, STERILIZERS)	60	30	1800
NORTHEAST HIGH SCHOOL (PHILADELPHIA)	1/9/2013	HSC CONFERENCE ROOM TABLE	1	2500	2500
MISSION RELIEF (COATESVILLE, PA)	1/9/2013	MARLTON HEALTH SYSTEM OFFICE EQUIPMENT	20	30	600
METHODIST FAMILY RELIEF SERVICE	1/11/2013	CONFERENCE TABLE AND CHAIRS (HSC SURPLUS FLOOR)	10	50	500
NORTHEAST HIGH SCHOOL (PHILADELPHIA)	1/17/2013	GLASSWARE FROM PHARMACOLOGY	15	15	225
MISSION RELIEF (COATESVILLE, PA)	1/22/2013	STERILIZERS. MED CARTS	5	50	250
NORTHEAST HIGH SCHOOL (PHILADELPHIA)	1/30/2013	ATHLETIC EQUIPMENT (Marlton Orthopedic Surplus)	15	60	900
NORTHEAST HIGH SCHOOL (PHILADELPHIA)	1/30/2013	CHEMISTRY GLASSWARE MICROBIOLOGY	5	60	300
HABITAT FOR HUMANITY	2/6/2013	PORCELAIN SINKS FROM HSC SURPLUS	10	40	400
MISSION RELIEF (COATESVILLE, PA)	2/13/2013	OVEN, CENTRIFUGE, SHAKERS, MISC FURNITURE PHARMACOLOGY	25	50	1250
NORTHEAST HIGH SCHOOL (PHILADELPHIA)	2/14/2013	CHEMISTRY GLASSWARE PATHOLOGY DEPT	7	30	210
METHODIST FAMILY RELIEF SERVICE	2/14/2013	MISC. DESK AND CHAIRS	4	20	80
KIPP DuBOIS ACADEMY	2/19/2013	AIR HOCKEY TABLE FROM STUDENT CENTER	1	500	500
MISSION RELIEF (COATESVILLE, PA)	3/12/2013	OVEN, CENTRIFUGE, FREEZER, REFRIGERATOR, PHOTOGRAPHY ENLARGERS	30	90	2700
ENGINEERING & SCIENCES HIGH SCHOOL (16TH & NORRIS)	3/12/2013	RECREATION WEIGHT EQUIPMENT	50	40	2000
MISSION RELIEF (COATESVILLE, PA)	4/8/2013	REFIGERATOR, OVEN, CABINET	3	90	270
PROVISION OF GRACE WORLD MISSION CHURCH	4/26/2013	CABINETS, BOOK SHLEVES	5	30	150
KIPP DuBOIS ACADEMY	5/3/2013	CABINETRY FROM OLD MEDICAL SCHOOL	40	75	3000
PHILADELPHIA SCHOOL DISTRICT	5/8/2013	CABINETRY FROM OLD MEDICAL SCHOOL	150	75	11250
MISSION RELIEF (COATESVILLE, PA)	5/8/2013	ENDOSCOPY OPERATING ROOM CARTS, MISC FURNITURE	15	70	1050
MISSION RELIEF (COATESVILLE, PA)	5/30/2013	CENTRIFUGES, OVENS MICROSCOPES, MISC EQUIPMENT	15	30	450
NORTHEAST HIGH SCHOOL (PHILADELPHIA)	5/30/2013	GLASSWARE FROM PATHOLOGY DEPT.	15	15	225
ENVIROKURE, INC.	5/30/2013	BIOSAFETY HOODS	2	300	600
CAMP CUFF SUMMER CAMP	6/6/2013	REFRIGERATORS	3	50	150
FREIRE CHARTER SCHOOL	6/11/2013	CLASSROOM DESKS	80	20	1600
KIPP DuBOIS ACADEMY	6/28/2013	COMPUTER LAB FURNITURE FROM BELL BUILDING CALL CENTER	8	75	600

Subtotal 60,640

**Residential Life**

Give + Go Green	5/20/2013	Food & Clothing			4,712
<i>Subtotal</i>					<b>4,712</b>

**Community Relations**

No donations reported in FY2013					
<i>Subtotal</i>					<b>0</b>

**Campus Recreation**

No donations reported in FY2013					0
<i>Subtotal</i>					<b>0</b>

**TOTAL (LBS) 65,352**



# TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT

Calendar Year 2006 - Fiscal Year 2013

## Recycling and Trash Collection Comparison

prepared by the Office of Sustainability

### Summary

Calendar Year (unless noted otherwise)	(1a)	(1b)	(2a)	(2b)	(3a)	(3b)	(4a)	(4b)	(5a)	(5b)	(6a)	(6b)	(7a)	(7b)	(8a)	(8b)	(9a)	(9b)
	Main, Podiatry, HSC <sup>a</sup> , Ambler, Tyler tons		Residence Halls <sup>b</sup> tons		Gittis <sup>b,c</sup> tons		Liacouras <sup>c</sup> tons		Diamond Club <sup>e</sup> tons % of total		Total Tons Collected <sup>d</sup> tons % of total		Total Cost \$		Cost Per Ton \$		GHG Emissions MTeCO2	
2006 Recycling	1,407.51		-		-		6.97				1,414.48	24%	\$42,701		\$30.19			
2006 Trash	2,707.90		1,224.91		438.19		68.88				4,439.88	76%	\$458,095		\$103.18		13,676	
2006 Total	4,115.41		1,224.91		438.19		75.85				5,854.36	100%	\$500,796		\$85.54			
2007 Recycling	1,659.50		-		-		6.97				1,666.47	28%	\$39,898		\$23.94			
2007 Trash	2,524.24		1,198.09		438.19		68.88				4,229.40	72%	\$483,145		\$114.23		13,028	
2007 Total	4,183.74		1,198.09		438.19		75.85				5,895.87	100%	\$523,043		\$88.71			
2008 Recycling	1,566.96		-		-		6.97				1,573.93	29%	\$42,549		\$27.03			
2008 Trash	2,459.74		972.99		438.19		68.88				3,939.80	71%	\$583,130		\$148.01		12,136	
2008 Total	4,026.70		972.99		438.19		75.85				5,513.73	100%	\$625,679		\$113.48			
2009 Recycling	1,607.60		-		-		8.26				1,615.86	32%	\$55,096		\$34.10			
2009 Trash	2,043.77		896.16		388.85		61.50				3,390.28	68%	\$524,831		\$154.80		10,442	
2009 Total	3,651.37		896.16		388.85		69.76				5,006.14	100%	\$579,927		\$115.84			
2010 Recycling	1,539.32		-		-		11.88				1,551.20	30%	\$53,219		\$34.31			
2010 Trash	2,267.10		829.27		389.88		87.92				3,574.17	70%	\$571,392		\$159.87		11,009	
2010 Total	3,806.42		829.27		389.88		99.80				5,125.37	100%	\$624,611		\$121.87			
FY2011 Recycling	1,611.23		-		-		12.44				1,623.67	33%	\$46,940		\$28.91			
FY2011 Trash	2,241.22		590.03		376.48		100.70				3,308.43	67%	\$544,018		\$164.43		10,191	
FY2011 Total	3,852.45		590.03		376.48		113.14				4,932.10	100%	\$590,958		\$119.82			
FY2012 Recycling	1,719.54		-		-		13.54				1,733.08	35%	\$29,868		\$17.23			
FY2012 Trash	2,006.45		800.16		378.03		67.36				3,252.00	65%	\$546,170		\$167.95		7,780	
FY2012 Total	3,725.99		800.16		378.03		80.90				4,985.08	100%	\$576,038		\$115.55			
FY2013 Recycling	1,641.21		-		-		13.47		-		1,654.68	36%	\$38,895		\$23.51			
FY2013 Trash	1,874.50		627.93		325.45		62.36		26.52		2,916.76	64%	\$468,612		\$160.66		6,892	
FY2013 Total	3,515.71		627.93		325.45		75.83		26.52		4,571.44	100%	\$507,507		\$111.02			

### Comparison CY 2006 and FY 2013

	(1a)	(1b)	(2a)	(2b)	(3a)	(3b)	(4a)	(4b)	(5a)	(5b)	(5a)	(5b)	(6a)	(6b)	(7a)	(7b)	(8a)	(8b)
	Main, Podiatry, HSC <sup>a</sup> , tons diff	% chg	Residence Halls <sup>b</sup> tons diff	% chg	Gittis <sup>b,c</sup> tons diff	% chg	Liacouras <sup>c</sup> tons diff	% chg	Diamond Club tons diff	% chg	Total Tons Collected <sup>d</sup> tons diff	% chg	Total Cost \$	% chg	Cost Per Ton \$	% chg	GHG Emissions MTeCO2	% chg
Recycling	233.70	17%	-	NA	-	NA	6.50	93%			240.20	17%	-\$3,806	-9%	-\$6.68	-22%		
Trash	(833.40)	-31%	(596.98)	-49%	(112.74)	-26%	(6.52)	-9%			(-1,523.12)	-34%	\$10,517	2%	\$57.48	56%	(-6,784)	-50%
Total	(599.70)	-15%	(596.98)	-49%	(112.74)	-26%	(0.02)	0%			(-1,282.92)	-22%	\$6,711	1%	\$30.01	35%		

#### Notes:

<sup>a</sup> Health Sciences Center (HSC) includes Temple University buildings only, not buildings owned by Temple University Health System.

<sup>b</sup> Residence Halls' and Gittis recycling materials are included in column 1a.

<sup>c</sup> Collection of recycling and trash for Gittis Student Center and Liacouras Center for CY 2006-07 are estimated using the actual numbers for CY 2008.

<sup>d</sup> Total tons collected does not include construction materials.

<sup>e</sup> The collection of Diamond Club recycling and trash data began in FY2013. Recycling materials are included in column 1a.