

**TEMPLE UNIVERSITY  
FY 2012 RECYCLING & TRASH REPORT**

**FEBRUARY 14, 2013**

# 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 2012, Temple's recycling rate increased from 24% to 35% and the university has achieved a 43% 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.

## FY 2012 Recycling & Trash Summary

Materials	Main Podiatry HSC Ambler	Res. Halls	Gittis Student Center	Liacouras Center	Total Tons Collected	%	Total Cost	Cost per Ton
Recycling	1,719.54	-*	-*	13.54	1,733.08	35%	\$29,868	\$17.23
Trash	2,006.45	800.16	378.03	67.36	3,252.00	65%	\$546,170	\$167.95
<b>Total</b>	<b>3,725.99</b>	<b>800.16</b>	<b>378.03</b>	<b>80.90</b>	<b>4,985.08</b>	<b>100%</b>	<b>\$576,038</b>	<b>\$115.55</b>

\* Residence Halls' and Gittis Student Center recycling materials are included with Main Campus (column 2)

## CY 2006 – FY 2012 Trash & Recycling Trends (Tonnage)

Materials	CY 2006	CY 2007	CY 2008	CY 2009	CY 2010	FY 2011	FY 2012
Recycling	1,414.48	1,666.47	1,573.93	1,615.86	1,551.20	1,623.67	1,733.08
Trash	4,439.88	4,229.40	3,939.80	3,390.28	3,574.17	3,308.43	3,252.00
<b>Total</b>	<b>5,854.36</b>	<b>5,895.87</b>	<b>5,513.73</b>	<b>5,006.14</b>	<b>5,125.37</b>	<b>4,932.10</b>	<b>4,985.08</b>

From FY 2011 to FY 2012, recycling amounts increased by 109 tons. The largest increase in recycling occurred in Main/Podiatry/HSC mixed office paper. Other sizable increases occurred in scrap metal due to the recycling of university vehicles and furniture and the amount of donated material collected in FY 2012.

From FY 2011 to FY 2012, trash amounts decreased by 56 tons. While there was a 36% increase in trash in the Residence Hall, total trash amounts decreased by 2% from FY 2011 to FY 2012.

These recycling and trash trends may be attributed to:

- Implementation of file digitizing at the College of Education;
- Continuation of the paper purge initiative during RecycleMania with schools and colleges offering prize incentives;
- Implementation of the collection of food waste for composting at the Howard Gittis Student Center;
- Introduction of the Swap and Reuse Room, which redistributes surplus office supplies among university departments;
- Installation of more water bottle filling stations in FY 2012 to reduce the number of single use bottles.

In FY 2012, the cost per ton of recycling removal was \$17.23 (40% decrease from FY 2011) and the cost per ton of trash disposal was \$167.95 (2% increase from FY 2011).

**ATTACHMENT A**  
**FY 2012 Recycling & Trash Spreadsheets**

# TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT

Fiscal Year 2012

## Recycling and Trash Collection Summary

prepared by the Office of Sustainability

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Main Podiatry <sup>a</sup> HSC <sup>a</sup> Ambler	Residence Halls <sup>b</sup>	Gittis Student Center <sup>b</sup>	Liacouras Center	Diamond Club <sup>c</sup>	Total Tons Collected <sup>d</sup>	%	Total Cost	Cost Per Ton
Recycling	1,719.54	0.00	0.00	13.54		1,733.08	35%	\$29,868	\$17.23
Trash	2,006.45	800.16	378.03	67.36		3,252.00	65%	\$546,170	\$167.95
<b>Total</b>	<b>3,725.99</b>	<b>800.16</b>	<b>378.03</b>	<b>80.90</b>		<b>4,985.08</b>	<b>100%</b>	<b>\$576,038</b>	<b>\$115.55</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) Residence Halls' and Gittis Student Center recycling materials are included in column 2.
- (c) Diamond Club trash data was not received for FY 2012
- (d) 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 2012

## Trash Collection

*prepared by the Office of Sustainability*

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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>	1729.92	0	0	0		1729.92	53%	\$364,453	\$210.68
Outside vendors <sup>c</sup>	276.53	800.16	378.03	67.36		1522.08	47%	\$181,717	\$119.39
<b>Total Trash</b>	<b>2006.45</b>	<b>800.16</b>	<b>378.03</b>	<b>67.36</b>		<b>3252</b>	<b>100%</b>	<b>\$546,170</b>	<b>\$167.95</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) Diamond Club trash data was not received for FY 2012

**TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT**

**Fiscal Year 2012**

**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	635.60	45.81	681.41	249.99	931.40			
Corrugated Cardboard (TUHS Single Stream)	258.17	21.00	279.17	640.52	919.69			
Bottles & Cans (Buildings & Grounds)	66.68	15.46	82.14	1.29	83.43			
<b>Subtotal - Basic Materials</b>	<b>960.45</b>	<b>82.27</b>	<b>1,042.72</b>	<b>891.80</b>	<b>1,934.52</b>	<b>\$14,083.42</b>	<b>13.54</b>	<b>\$2,080.00</b>
Secondary Materials								
Food Waste	212.92	0.00	212.92	41.13	254.05	<b>\$19,205.01</b>		
Fryer Oil	20.01	0.00	20.01	14.39	34.40			
Leaves	20.13	24.00	44.13	0.00	44.13			
Tree Limbs/Brush	75.00	4.38	79.38	0.00	79.38			
<b>Subtotal - Secondary Materials</b>	<b>328.06</b>	<b>28.38</b>	<b>356.44</b>	<b>55.52</b>	<b>411.96</b>	<b>\$19,205.01</b>	<b>0.00</b>	<b>\$0.00</b>
Special Materials								
Computer Equipment - Recycled	46.49	0.00	46.49	0.00	46.49			
Computer Equipment - Diverted/Reused	44.78	0.00	44.78	0.00	44.78			
Toner & Ink Jet Cartridges	3.32	0.00	3.32	0.00	3.32			
Chemical Waste	0.00	0.00	0.00	0.00	0.00			
Universal Waste (florescent lamps, rechargeable and lead acid batteries)	2.39	0.00	2.39	0.24	2.63			
Recycled Materials (Lead, Rags, Alkaline Batteries, Oil)	6.21	0.00	6.21	0.25	6.46			
Scrap Metal	42.74	0.00	42.74	0.26	43.00	-\$10,887.30		
Pallets	80.95	0.00	80.95	69.14	150.09			
Tyler Glass	12.68	N/A	12.68	N/A	12.68			
Tyler Clean-Out	11.69	N/A	11.69	N/A	11.69	\$1,416.75		
Donations*	52.47		52.47		52.47			
Plastic Bags (provided by CRC)*	0.40		0.40		0.40			
Residential Hall Give + Go Green*	2.50		2.50					
Residential Hall Revolution Recovery*	13.76		13.76		13.76	\$3,970.00		
<b>Subtotal - Special Materials</b>	<b>320.38</b>	<b>0.00</b>	<b>320.38</b>	<b>69.89</b>	<b>387.77</b>	<b>-5,500.55</b>	<b>0.00</b>	<b>\$0.00</b>
<b>Campus Totals</b>	<b>1,608.89</b>	<b>110.65</b>	<b>1,719.54</b>	<b>1,017.21</b>	<b>2,734.25</b>	<b>\$27,787.88</b>	<b>13.54</b>	<b>\$2,080.00</b>

\* Items added to Recycling Report submitted by the Recycling Office

Total Recycling Cost: \$29,867.88  
 Total Tons of Recycling (University Only): 1,733.08

# TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT

Fiscal Year 2012

## Charitable Donations

prepared by the Office of Sustainability

### OFM Surplus Inventory

Organization	Date	Description	Quantity	Weight Each (pounds)	Total Weight (pounds)
WRTI VEHICLE DONATION	7/1/2011	TRUCK	1	5000	5000
KIPP CHARTER (W. PHILADELPHIA)	7/14/2011	FILE CABINET	1	50	50
KIPP CHARTER SCHOOL (TRAYLOR)	7/28/2011	MISC OFFICE EQUIPMENT	20	40	800
HERBERT E. MILLEN MASONIC LODGE	8/2/2011	EXERCISE EQUIPMENT	4	70	280
HOUSE OF PRAYER	8/3/2011	EXERCISE EQUIPMENT	4	70	280
KIPP CHARTER (W. PHILADELPHIA)	8/10/2011	ONE ARM TABLETS	20	30	600
KIPP CHARTER (W. PHILADELPHIA)	8/10/2011	STAIRMASTER	1	70	70
MT. AIRY CHURCH OF GOD	8/10/2011	EXERCISE EQUIPMENT	4	70	280
HERBERT E. MILLEN MASONIC LODGE	8/11/2011	MISC OFFICE EQUIPMENT	10	60	600
JOSHUA ACHIEVEMENT CENTER	8/11/2011	LIFECYCLE	1	50	50
EXPERIENCE CORPS	8/16/2011	FILE CABINET	4	50	200
JOSHUA ACHIEVEMENT CENTER	8/16/2011	MISC OFFICE EQUIPMENT	15	40	600
SIMONS YOUTH ACCESS CENTER	8/18/2011	EXERCISE EQUIPMENT	4	70	280
MISSION RELIEF	8/19/2011	MISC LAB EQUIPMENT	50	20	1000
PROJECT BASED LEARNING	8/19/2011	TABLES	20	40	800
TRUBRIGHT SCIENCE CHARTER SCHOOL	8/31/2011	ONE ARM TABLETS	25	50	1250
VISION QUEST	9/29/2011	MISC CLASSROOM FURNITER	60	40	2400
PROJECT CURE	10/12/2011	MISC LAB EQUIPMENT	30	100	3000
KIPP CHARTER SCHOOL (TRAYLOR)	10/20/2011	MICROSCOPES	25	10	250
HERBERT E. MILLEN MASONIC LODGE	10/26/2011	DINING HALL FURNITURE (AMBLER CAMPUS)	273	25	6825
COLT COALITION	11/16/2011	5 DESKS & CHAIR	6	40	240
HERBERT E. MILLEN MASONIC LODGE	11/21/2011	KRESGE MEZZANINE	30	25	750
GAUDENZIA INC.	11/22/2011	40 CHAIRS	40	15	600
DEVEREUX	11/22/2011	10 CHAIRS/2 TABLES	12	25	300
KIPP DUBOIS COLLEGIATE ACADEMY	11/28/2011	COMPUTER LAB (FROM FT. WASHINGTON CAMPUS)	20	35	700
KIPP DuBOIS ACADEMY	12/1/2011	MICROSCOPES	25	10	250
STARS(SPORTS TEACHING & REACHING STUDENTS)	12/11/2011	STAIRMASTER & LIFECYCLE BIKE	2	100	200
KIPP DUBOIS COLLEGIATE ACADEMY	12/21/2011	COMPUTER LAB (FROM FT. WASHINGTON CAMPUS)	35	35	1225
INSTITUTE FOR ADVANCEMENT OF AFRICAN AMERICAN YOUTH	12/22/2011	LOBBY FURNITURE (FT. WASHINGTON CAMPUS)	20	30	600
TRUBRIGHT SCIENCE CHARTER SCHOOL	1/12/2012	ONE ARM TABLETS	400	30	12000
KIPP CHARTER SCHOOL (TRAYLOR)	1/12/2012	ONE ARM TABLETS	70	30	2100
ACANA	1/13/2012	ONE ARM TABLETS	200	30	6000
HERBERT E. MILLEN MASONIC LODGE	1/16/2012	ONE ARM TABLETS	200	30	6000
MISSION RELIEF	1/20 & 1/23/2012	ANIMAL CAGE UNITS/MISC. LAB	20	600	12000
HERBERT E. MILLEN MASONIC LODGE	1/31/2012	KRESGE LIBRARY (SPECIAL COLLECTIONS ROOM)	200	50	10000
HERBERT E. MILLEN MASONIC LODGE	2/6/2012	KRESGE LIBRARY (ALL MAIN FLOOR METAL SHELVING)	100	200	20000
GAUDENZIA INC.	2/6/2012	5 FILE CABINETS. 3 TABLES	8	20	160
STARS(SPORTS TEACHING & REACHING STUDENTS)	2/7/2012	BENCH PRESS BENCHES FROM IBC	7	50	350
JOSHUA ACHIEVEMENT CENTER	2/27/2012	MISC OFFICE EQUIPMENT	30	30	900
MISSION RELIEF	3/7/2012	TWO INCUBATORS & 4 EXAM TABLES	6	45	270
HOPE FOUNDATION	4/4/2012	DENTAL SCHOOL TRAINING EQUIPMENT	10	250	2500
HOUSE OF PRAYER	4/20/2012	HOUSING EXERCISE EQUIPMENT	3	300	900
ENVIROKURE INC.	4/20/2012	GLASSWARE AND LAB EQUIPMENT PATHOLOGY	200	3	600
HERBERT E. MILLEN MASONIC LODGE	4/20/2012	INCUBATOR	300	1	300

MISSION RELIEF	5/4/2012	OPERATING ROOM MICROSCOPE	1	200	200
MISSION RELIEF	5/21/2012	INCUBATORS/REFRIGERATORS/HEATING TRAY	5	90	450
MISSION RELIEF	6/11/2012	INCUBATORS/CENTRIFUGES/MICROSCOPES	6	30	180

**Subtotal 104,390**

**Residential Life\***

Give + Go Green**	5/15/2012	Food & Clothing			5,000
1940	5/23/2012	Mixed goods			1,860
Temple Towers	6/8 & 6/11/2012	Mixed goods			5,540
Peabody	7/28/2012	Mattresses			3,240
Peabody	5/30/2012	Mixed goods			7,580
Cecil B Moore	3/7/2012	Mixed goods			5,880
Cecil B Moore	6/8/2012	Mixed goods			3,420

**Subtotal 27,520**

**Community Relations**

No donations reported in FY2012					
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**Subtotal 0**

**Campus Recreation**

Wireless Foundation	FY 2012	Cell phones	21	2	42
Various organizations	FY 2012	Used sporting equipment	0		0
Various homeless shelters	FY 2012	Clothing (bags)			500

**Subtotal 542**

**TOTAL (LBS) 132,452**

*Donations (LBS) 104,932*

\*Items sent to Revelation Recovery and not included in Donations total - included as separate line item in Recycling section (Res Hall Revolution Recovery)

\*\*Carpet included in 1940 amount sent to Revolution Recovery. Donation total was estimated from 2011 Give + Go Green amounts.



# TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT

Fiscal Year 2012

Comparison Between FY 2011 and FY 2012

prepared by the Office of Sustainability

## Fiscal Year 2011

	(1)	(2)	(3)	(4)	(5)	(6)	(6a)	(7)	(8)
	Main Podiatry HSC <sup>a</sup> Ambler Tyler	Residence Halls <sup>b</sup>	Gittis	Liacouras	Diamond Club	Total Tons Collected <sup>d</sup>	% of Total	Total Cost	Cost Per Ton
Recycling	1,611.23	0.00	0.00	12.44		1,623.67	33%	\$46,940	\$28.91
Trash	2,241.22	590.03	376.48	100.70		3,308.43	67%	\$544,018	\$164.43
<b>Total</b>	<b>3,852.45</b>	<b>590.03</b>	<b>376.48</b>	<b>113.14</b>		<b>4,932.10</b>	<b>100%</b>	<b>\$590,958</b>	<b>\$119.82</b>

## Fiscal Year 2012

	(1)	(2)	(3)	(4)	(5)	(6)	(6a)	(7)	(8)
	Main Podiatry HSC <sup>a</sup> Ambler Tyler	Residence Halls <sup>b</sup>	Gittis	Liacouras	Diamond Club	Total Tons Collected <sup>d</sup>	% of Total	Total Cost	Cost Per Ton
Recycling	1,719.54	0.00	0.00	13.54		1,733.08	35%	\$29,868	\$17.23
Trash	2,006.45	800.16	378.03	67.36		3,252.0	65%	\$546,170	\$167.95
<b>Total</b>	<b>3,725.99</b>	<b>800.16</b>	<b>378.03</b>	<b>80.90</b>		<b>4,985.08</b>	<b>100%</b>	<b>\$576,038</b>	<b>\$115.55</b>

## Fiscal Year 2011 versus Fiscal Year 2012

	(1)	(1a)	(2)	(2a)	(3)	(4)	(5)	(6)	(6a)	(7)	(8)	(8a)			
	Main Podiatry HSC <sup>a</sup> Ambler Tyler	% Chg	Residence Halls <sup>b</sup>	% Chg	Gittis	Liacouras	Diamond Club	Total Tons Collected <sup>d</sup>	% Chg	Total Cost	% Chg	Cost Per Ton	% Chg		
Recycling	108.31	7%	0.00	NA	0.00	NA	1.10	9%		109.41	7%	-\$17,072	-36%	-\$11.68	-40%
Trash	(234.77)	-10%	210.13	36%	1.55	0%	(33.34)	-33%		-56.43	-2%	\$2,152	0%	\$3.52	2%
<b>Total</b>	<b>(126.46)</b>	<b>-3%</b>	<b>210.13</b>	<b>36%</b>	<b>1.55</b>		<b>(32.24)</b>			<b>52.98</b>	<b>1%</b>	<b>-\$14,920</b>	<b>-3%</b>	<b>-\$8.16</b>	<b>-4%</b>

- Notes:**  
 (a) Health Sciences Center (HSC) includes Temple University buildings only, not buildings owned by Temple University Health System.  
 (b) Residence Halls' recycling materials included in column 2.  
 (c) Total tons collected does not include construction materials.  
 \*Diamond Club trash data was not received for FY 2012

# TEMPLE UNIVERSITY RECYCLING AND TRASH REPORT

Calendar Year 2006 - Fiscal Year 2012

## Recycling and Trash Collection Comparison

prepared by the Office of Sustainability

### Summary

	(1a)	(1b)	(2a)	(2b)	(3a)	(3b)	(4a)	(4b)	(5a)	(5b)	(6a)	(6b)	(7a)	(7b)	(8a)	(8b)	(9a)	(9b)
Calendar Year (unless noted otherwise)	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 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		0.00		0.00		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	
<b>2006 Total</b>	<b>4,115.41</b>		<b>1,224.91</b>		<b>438.19</b>		<b>75.85</b>				<b>5,854.36</b>	<b>100%</b>	<b>\$500,796</b>		<b>\$85.54</b>			
2007 Recycling	1,659.50		0.00		0.00		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	
<b>2007 Total</b>	<b>4,183.74</b>		<b>1,198.09</b>		<b>438.19</b>		<b>75.85</b>				<b>5,895.87</b>	<b>100%</b>	<b>\$523,043</b>		<b>\$88.71</b>			
2008 Recycling	1,566.96		0.00		0.00		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	
<b>2008 Total</b>	<b>4,026.70</b>		<b>972.99</b>		<b>438.19</b>		<b>75.85</b>				<b>5,513.73</b>	<b>100%</b>	<b>\$625,679</b>		<b>\$113.48</b>			
2009 Recycling	1,607.60		0.00		0.00		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	
<b>2009 Total</b>	<b>3,651.37</b>		<b>896.16</b>		<b>388.85</b>		<b>69.76</b>				<b>5,006.14</b>	<b>100%</b>	<b>\$579,927</b>		<b>\$115.84</b>			
2010 Recycling	1,539.32		0.00		0.00		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	
<b>2010 Total</b>	<b>3,806.42</b>		<b>829.27</b>		<b>389.88</b>		<b>99.80</b>				<b>5,125.37</b>	<b>100%</b>	<b>\$624,611</b>		<b>\$121.87</b>			
FY2011 Recycling	1,611.23		0.00		0.00		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	
<b>FY2011 Total</b>	<b>3,852.45</b>		<b>590.03</b>		<b>376.48</b>		<b>113.14</b>				<b>4,932.10</b>	<b>100%</b>	<b>\$590,958</b>		<b>\$119.82</b>			
FY2012 Recycling	1,719.54		0.00		0.00		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	
<b>FY2012 Total</b>	<b>3,725.99</b>		<b>800.16</b>		<b>378.03</b>		<b>80.90</b>				<b>4,985.08</b>	<b>100%</b>	<b>\$576,038</b>		<b>\$115.55</b>			

### Comparison CY 2006 and FY 2012

	(1a)	(1b)	(2a)	(2b)	(3a)	(3b)	(4a)	(4b)	(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 <sup>e</sup> tons diff	% chg	Total Tons Collected <sup>d</sup> tons diff	% chg	Total Cost \$	% chg	Cost Per Ton \$	% chg	GHG Emissions MTeCO2	% chg
Recycling	312.03	22%	0.00	NA	0.00	NA	6.57	94%			318.60	23%	-\$12,833	-30%	-\$12.95	-43%		
Trash	(701.45)	-26%	(424.75)	-35%	(60.16)	-14%	(1.52)	-2%			-1,187.88	-27%	\$88,075	19%	\$64.77	63%	-5,896	-43%
<b>Total</b>	<b>(389.42)</b>	<b>-9%</b>	<b>(424.75)</b>	<b>-35%</b>	<b>(60.16)</b>	<b>-14%</b>	<b>5.05</b>	<b>7%</b>			<b>-869.28</b>	<b>-15%</b>	<b>\$75,242</b>	<b>15%</b>	<b>\$30.01</b>	<b>35%</b>		

#### 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> Diamond Club trash data was not received for FY 2012

**ATTACHMENT B**  
**Data Collection and Reporting Documentation**

# Data Collection

Recycling and trash data is provided by university affiliates and compiled by the Office of Sustainability into one report. The majority of recycling information is collected by Temple's Recycling Office and reported in the *TUOS Recycling Tonnage Report*. Additional information, such as Liacouras Center recycling, carpet recycling, plastic bag recycling and donations, is collected by the Office of Sustainability and added to the TUOS report. Trash information is received in a variety of formats by email and the data is inserted into the *Trash Collection* report. The Office of Sustainability is responsible for requesting computer recycling and reuse data from the Computer Recycling Center twice a year (beginning of fall and spring semesters). This data will be forwarded to the Recycling Office for inclusion in the recycling report.

The following reporting changes occurred during FY 2012 or are expected to occur in FY 2013:

- In FY 2012, Temple's plastic recycling consisted of #1 and #2 plastic bottles. Expansion of recycling other types of plastics is expected to occur in fall 2013;
- Recycling and trash data from the Diamond Club has not been included in the report as the information was not available at the time of writing this report. This information will be collected and included in the FY 2013 Recycling & Trash Report;
- The Office of University Housing began working with Revolution Recovery in July 2011. These amounts are included in the FY 2012 report.

**RESPONSIBLE PARTIES FOR DATA COLLECTION**  
**FY 2012 Recycling & Trash Report**

Description	Name	Title	Phone	Email	Notes
<b>Trash</b>					
Main, Ambler and HSC Campuses	Mark H. Gottlieb	Superintendent of Service Operations Facilities Management	215-204-9627	mark.gottlieb@temple.edu	Information received by email from Mark Gottlieb to Katherine Switala Elmhurst on 9/27/12 File: SolidWaste_MainAmblerHSC_FY2012.pdf
College of Podiatric Medicine	Anthony Morris	Area Manager Facilities Management - Podiatric	215-625-5240	amorris@tuspm.temple.edu	Information received by email from Anthony Morris to Kathleen Grady on 11/8/12 File: SolidWaste_Podiatry_FY2012.pdf
Residence Halls	Domenic Rudi	Sr. Finance ,Housing Maintenance Operations Office of University Housing	215-204-9636	drudi2@temple.edu	Information received by email from Domenic Rudi to Kathleen Grady on 11/13/12 File: Temple Housing-11-13-2012.xlsx & TrashTonnageCombined_FY2012.xlsx
Gittis Student Center	Jason Levy	Director Student Services Division of Student Affairs	215-204-7131	jason.levy@temple.edu	Information received by email from Jason Levy to Katherine Switala Elmhurst on 11/7/12 File: Gittis Waste removal FY2012.xlsx and TrashTonnageCombined_FY2012.xlsx
Liacouras Center	Craig Jankowski	Operations Manager Liacouras Center	215-204-2400	cjankowski@liacourascenter.com	Information received by email from Craig Jankowski to Katherine Switala Elmhurst on 11/9/12. File: Liacouras TrashRecycling_FY2012.xls and TrashTonnageCombined_FY2012.xlsx
Diamond Club	Todd Baker	Sodexo		todd.baker@sodexo.com	Information from Diamond Club was not received
<b>Recycling</b>					
Recycling Report (Main, HSC, Podiatry, Ambler)	Marshall Budin	Sr. Facilities Specialist	215-204-8460	marshall.budin@temple.edu	Information received by email from Marshall Budin to Katherine Switala Elmhurst on 11/29/2012. File: TUOS Tonnage Report FY12.xlsx and TUOS Cost Report FY12.xlsx
Liacouras Center	Craig Jankowski	Operations Manager Liacouras Center	215-204-2400	cjankowski@liacourascenter.com	Information received by email from Craig Jankowski to Katherine Switala Elmhurst on 11/9/12. File: Liacouras TrashRecycling_FY2012.xls
Computer Recycling (Special Materials)	Jonathan Latko	Temple Computer Recycling Center	215-204-4749	latko@temple.edu	Information received by email from Jonathan Latko to Katherine Switala Elmhurst on 9/20/11. File: CRC Report_FY2011.xls
Plastic Bags (Special Materials)	Jonathan Latko	Temple Computer Recycling Center	215-204-4749	latko@temple.edu	Information received by email from Jonathan Latko to Katherine Switala Elmhurst on 12/10/12. File: FY2012 Plastic bag recycling.pdf
Donations: OFM Surplus (Specials Materials)	Mark H. Gottlieb	Superintendent of Service Operations Facilities Management	215-204-9627	mark.gottlieb@temple.edu	Information received by email from Mark Gottlieb File: Charitable Donations Log_FY2012.xls
Donations: Residential Life Give + Go Green Event (Specials Materials)	Domenic Rudi	Sr. Finance ,Housing Maintenance Operations Office of University Housing	215-204-9636	drudi2@temple.edu	Information received by email from Domenic Rudi to Kathleen Grady on 11/19/12 File: Residential Hall.pdf
Donations: Community Relations (Specials Materials)	Andrea Swan	Director, Community and Neighborhood Affairs Office of Community Relations	215-204-7913	andrea.swan@temple.edu	No donations reported for FY2012
Donations: Campus Recreation (Specials Materials)	Anne Wilkinson	Assistant Director Assessment & Training Campus Recreation	215-204-4783	anne.wilkinson@temple.edu	Information received by email from Anne Wilkinson to Katherine Switala Elmhurst on 10/8/12 File: CampusRecreation_FY2012 Donated Items.pdf