#### Sustainable Materials Management **Turning Trash Into a Resource**

Cindy Jackson, Associate Director Office of Solid Waste Management & Recycling



www.recycle.gatech.edu



## **Mission Statement**

- Encourage and expand recycling opportunities
- Develop waste diversion and reuse programs
- Promote efforts to decrease the amount of waste produced on campus
- Encourage an environmentally conscious campus community

# nities ams



#### Outline

- Overview
- Statistics
- Operations
- Engagement
- Programs



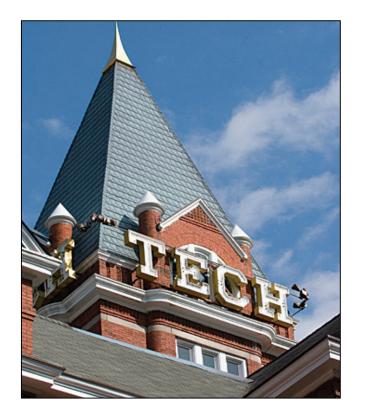
# **Georgia Tech Overview**

People:

- 26,839 students
- 7,063 faculty & staff 10 parking garages
- Visitors

Places:

- 239 buildings







#### **OSWM&R Overview**





- Recycling History
- Departmental Structure





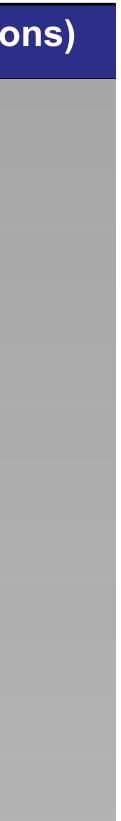
#### **Statistics**

#### Material

#### Weight (tons)

How many tons of mixed metal have we collected this year?

- A) 10
- B) 150
- C) 500



#### **Statistics**

Material	Weight (tons)
Mixed Metal	500
Cardboard	449
Mixed Office Paper	202
Confidentials (Shredded Paper)	19
Plastic	18
Glass	13
Clothing and Household Goods	13
Game Day Recycling (Bottles & Cans)	11
Pallets	9
Aluminum Cans	6
Hardback Books	6
Electronics	.4
Nonperishable Food	.3

#### Operations

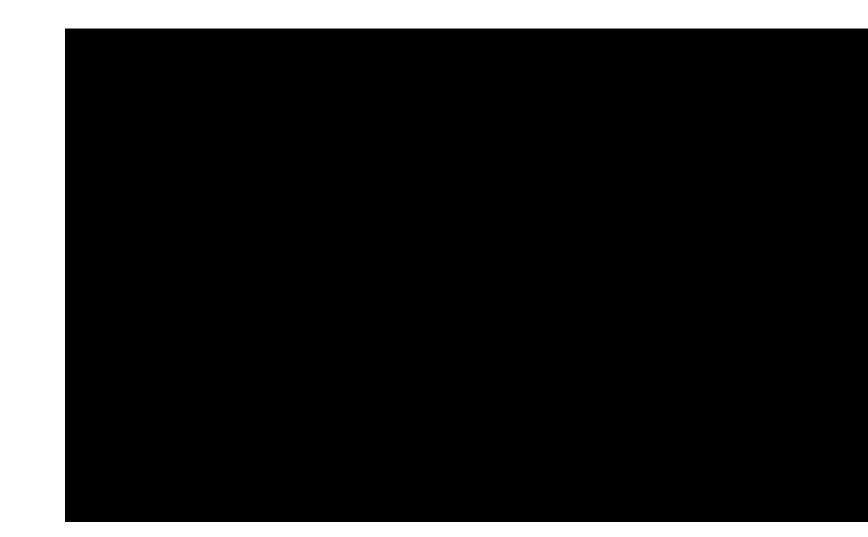


- Paper and Cardboard Pick-up
- Indoor Recycling Campus Standard
- Outdoor Recycling 31 sites





### Paper Pickup





#### Operations





- Greeks
- East Main Drop-off
- Confidential/Sensitive Material
- Temporary Containers



### Waste Management Operations



#### Dumpsters: 156

- Trash: 120 •
- Recycling: 36 •



#### Roll-offs: 14

- Trash: 11 •
- **Recycling: 3** •



#### Compactors: 15

- Trash: 13 ٠
- Recycling: 2 ٠

#### Total: 185





### **PR & Marketing**

Georgia Tech - Office of Solid	Waste Management & Recycling - Welcome! - Microsoft	Internet Explorer provided by Georgia	i Tech F
💽 🔹 http://www.recycle.	gatech.edu/	💌 🗟 🐓 🗙 👂 Uve Sear	rdh 🖉
e Edit View Favorites Tools	Help X 📆 -		
Favorites 🛛 🍰 🙆 Planet Green S	Austainable Li 🔊 Free Hotmail 😰 Web Slice Gallery 🔹 🔊 T-Sq	uare GT-1000-E12 An	
Georgia Tech - Office of Solid Waste	Management & R	👌 • 🕤 🗉 🛛	🖶 🔹 Bage 👻 Safety 🕶 Tools 🕶 🔞 🕶
Georgia Tech	Office of Solid Waste Management & Recycling	2011 Game Day Results Are In!	Recycling Click to read more ->
		CAMPUS MAP POINTS OF CONTACT NEWSLE	TTERS Q Search
	OSWM&R		
Recycling Home	WELCOME!		
About Us Awards Recycling Services E Campus Buildings E Residence Halls E Greek Community E Outdoor Recycling Sites	The mission of the Office of Solid Waste Managem expand recycling, waste diversion and reves program amount of waste produced on the Georgia Tech can amount of waste Georgia Tech landfills. To meet thi initiated in the academic buildings, general campus a	is and promote efforts to decrease the npus in order to ultimately reduce the s goal, recycling programs have been	EARTH DAY
G Outboor recycling sites     G Recyclub Materials     G Centainer Standards     Special Events     Special Events     Sudent Nove In     Game Day Recycling     Earth Day     R Student Nove Out     Statistics and Reports			GAME DAY RECYCLING
Done		<ul> <li>Internet</li> </ul>	t 🖓 🕶 🔍 95% -

- Website
- Tabling
- Newsletter
- Logo
- Signage









Georgia Tech students, faculty, and staff are invited to join the Earth Day Planning Committee. Members are expected to attend weekly meetings during the spring sensester (on Fridays from 11:30 AM – 12:30 PM) and actively participate in the planning of the 15<sup>th</sup> Annual Earth Day Celebration and Think Green Week events, which will be held on campus from April 16 – 20, 2012.

If you are interested in joining the Earth Day Planning Committee, please join us on Fridays from 11:30 AM – 12:30 PM in Student Center room 343. Upcoming meetings are on January 13<sup>th</sup> and January 20<sup>th</sup>. For more information contact Cindy Jackson at <u>cindy jackson@facilities.gatech.edu</u> or visit the GT Earth Day website: <u>www.earthday.gatech.edu</u>.

8
1

Georgia Tech's annual Earth Day Celebration is one of the most highly anticipated campus events during spring semester. The event is free and open to the public, and features 70 exhibitors, ecofriendly giveaways, recycling opportunities, a clothing swap, ar office supply exchange, live mus popcorn and more. With an an usic, a green market, free organ









#### Student Involvement





- Student Alumni Association
- Class Projects
- Volunteers





#### **Student Move-In and Move-Out**



- Cardboard
- Nonperishable food
- Household items and clothes









## AWARE Program

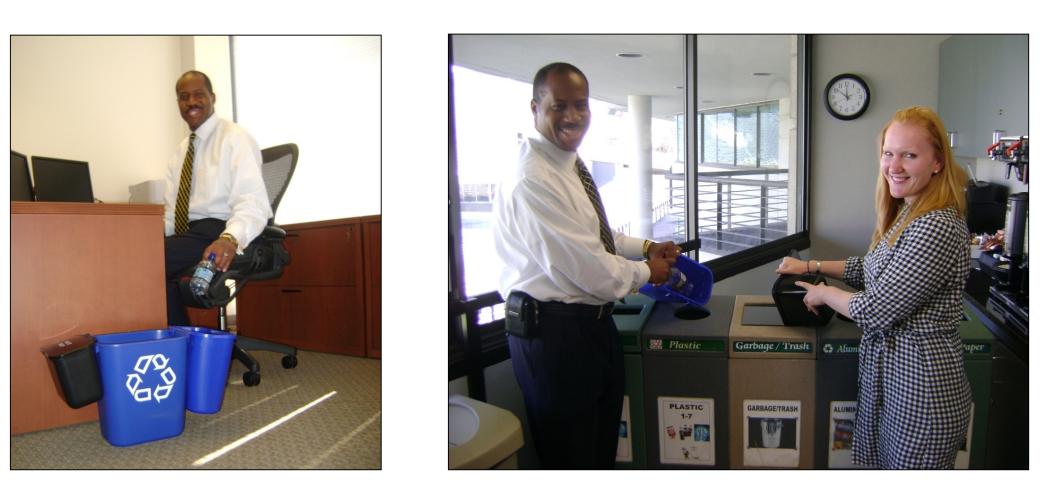
#### Actively Working to Achieve Resource Efficiency







### **Program Goals**



- Behavior change
- 50% reduction in solid waste on campus
- Increased recycling
- Cost reduction



## **Potential Impact**

Analysis of solid waste generated in one day at FAB (11.5 lbs)



Recycle

Reduce

Compost







"We in the Carnegie building joined the AWARE program in 2009. It is a simple and effective waste minimization initiative that enables Georgia Tech to use our resources more efficiently. I support the campus wide implementation of this program and

encourage your active participation."



- President G. P. "Bud" Peterson



# Earth Day Festival



- Annual event since 1998
- Environmental education
- Live music, free T-shirts and organic popcorn
- Recycling opportunities



## Earth Day Festival



Office Supply Exchange



Clothing Swap



Athletic Shoe Recycling



**Electronics Recycling** 





#### 10 Year Anniversary





We have increased the game day trash diversion rate to 30%

# History / Background





- Program began fall 2008
- Waste diversion at home football games
- Game attendance: 45,000 55,000 people
- Targets tailgating areas and Bobby Dodd Stadium





# **Tailgating Strategies**



- Blue bags for bottles and cans given out by student volunteers and GT Facilities staff
- Fans fill bags and leave on the ground
- Bags picked up by GT Facilities the following day







## **Stadium Strategies**



- Recycling bins located on Callaway Plaza and at each of the 10 gates
- Green Greeters stationed outside Bobby Dodd Stadium



### **Stadium Strategies**



- Recycling bins for bottles and cans located on concourses
- Bowl picked after game
- Food waste composting in suites  $\bullet$
- Cardboard (vendors inside and outside the lacksquarestadium)



# Composting





- Pilot program at EBB
  - Food waste
  - Paper towels
  - Paper based packaging



#### Be a Green Champion!



#### **Questions?**

Contact:

#### **Cindy Jackson**

**Associate Director** 

Office of Solid Waste Management & Recycling

(404) 894-2004 cindy.jackson@facilities.gatech.edu

www.recycle.gatech.edu



