



# **Sustainability Plan for Champlain College | | WASTE REDUCTION**

March 15, 2012 | | Committee Meeting

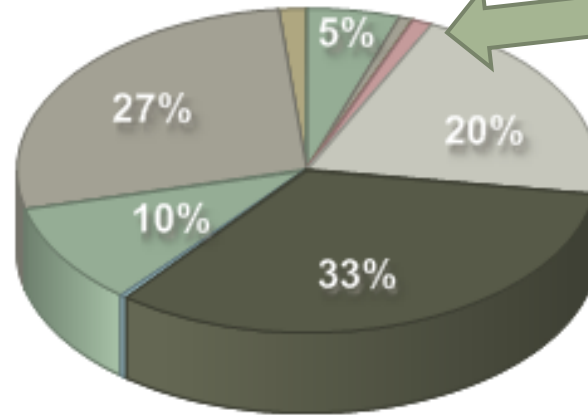
# Today's Agenda

- **Introductions:** Claire G-W, Ted D, Valerie E, Alex Blum, Christina & Alie
- **Background**
  - ▣ Carbon Impact
  - ▣ What we do already
  - ▣ Resources/Best Practices
- **Goal & Task Brainstorming**
- **Announcements/Questions, etc.**
- **Next meeting: Thurs, April 19, 12:30pm – 1:30pm | |**  
**Topic: Grounds and Purchasing**

# Carbon Impact

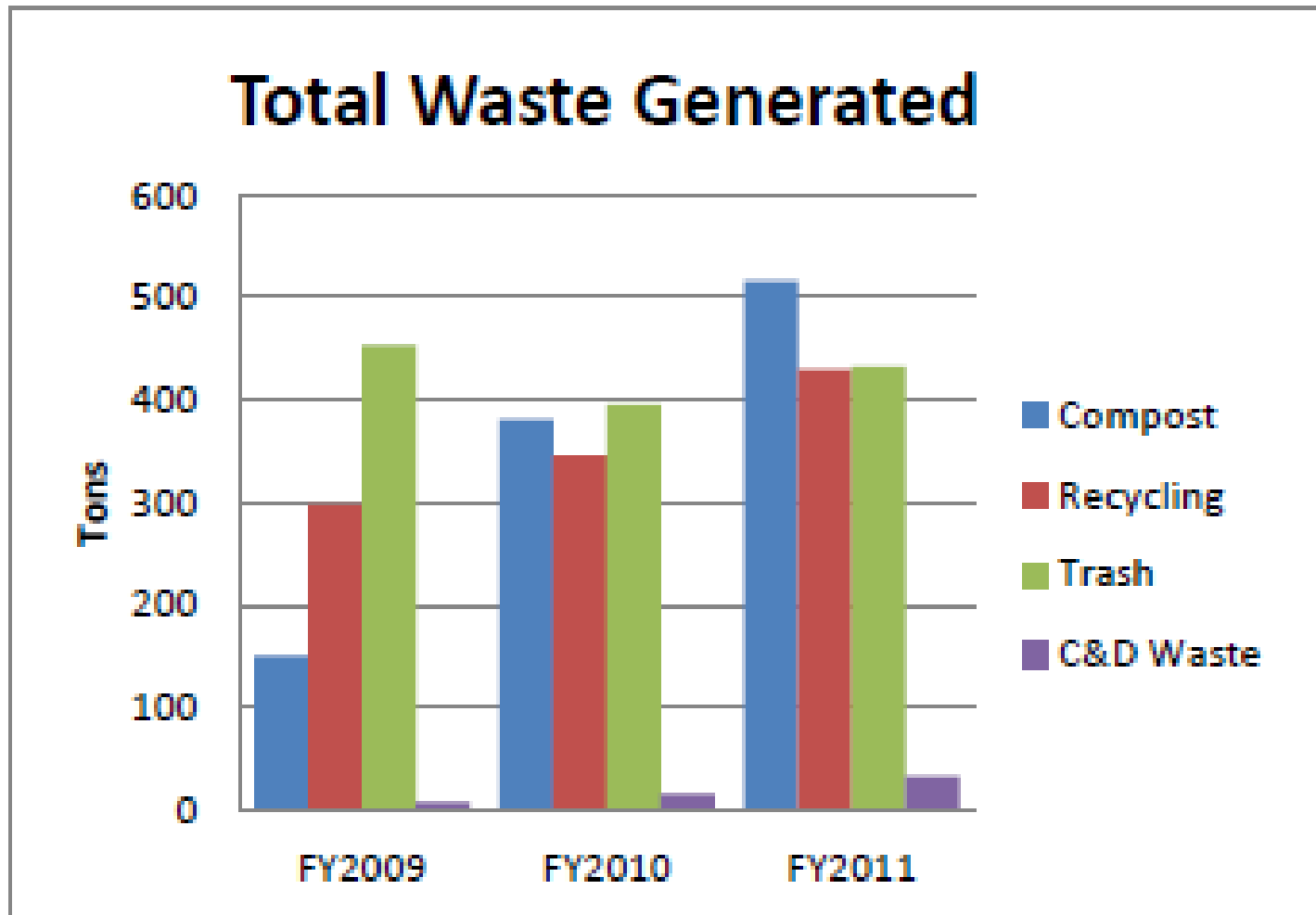
GHG Emissions by Function - 2011

© Sightlines 2001-2012





- Agriculture GHG
- Scope 2 T&D Losses GHG
- Paper Emissions GHG
- Refrigerant GHG
- Solid Waste GHG
- Scope 1 Utilities GHG
- Scope 2 Utilities GHG
- Directly Financed Air Travel GHG
- Other Directly Financed Travel GHG
- Study Abroad Air Travel GHG
- Total Commuting GHG
- Direct Transportation GHG
- Wastewater Emissions GHG

# Champlain College Waste Statistics at a Glance:



# Champlain College Waste Statistics

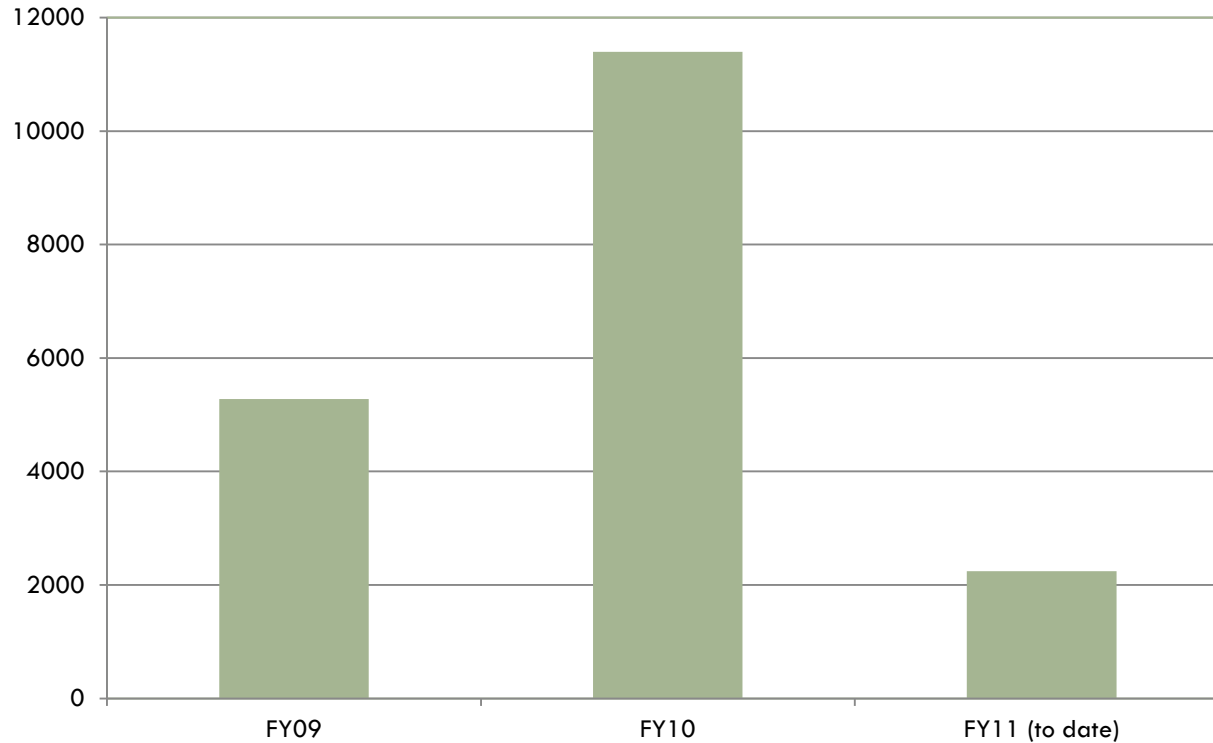
## at a Glance:

	TRASH (to the landfill)	RECYCLING (to the <a href="#">MRF</a> )	COMPOST (to <a href="#">Intervale Compost</a> )
FY2009	450 tons	300 tons	150 tons
FY2010 (percentage increase over prior year)	396 tons (12% decrease)	346 tons (15% increase)	381 tons (154% increase)
FY2011 (percentage increase over prior year)	433 tons (11% increase)	430 tons (24% increase)	517 tons (36% increase)
FY2011 equivalent in African elephants (average 8 tons)	54 	54 	65 

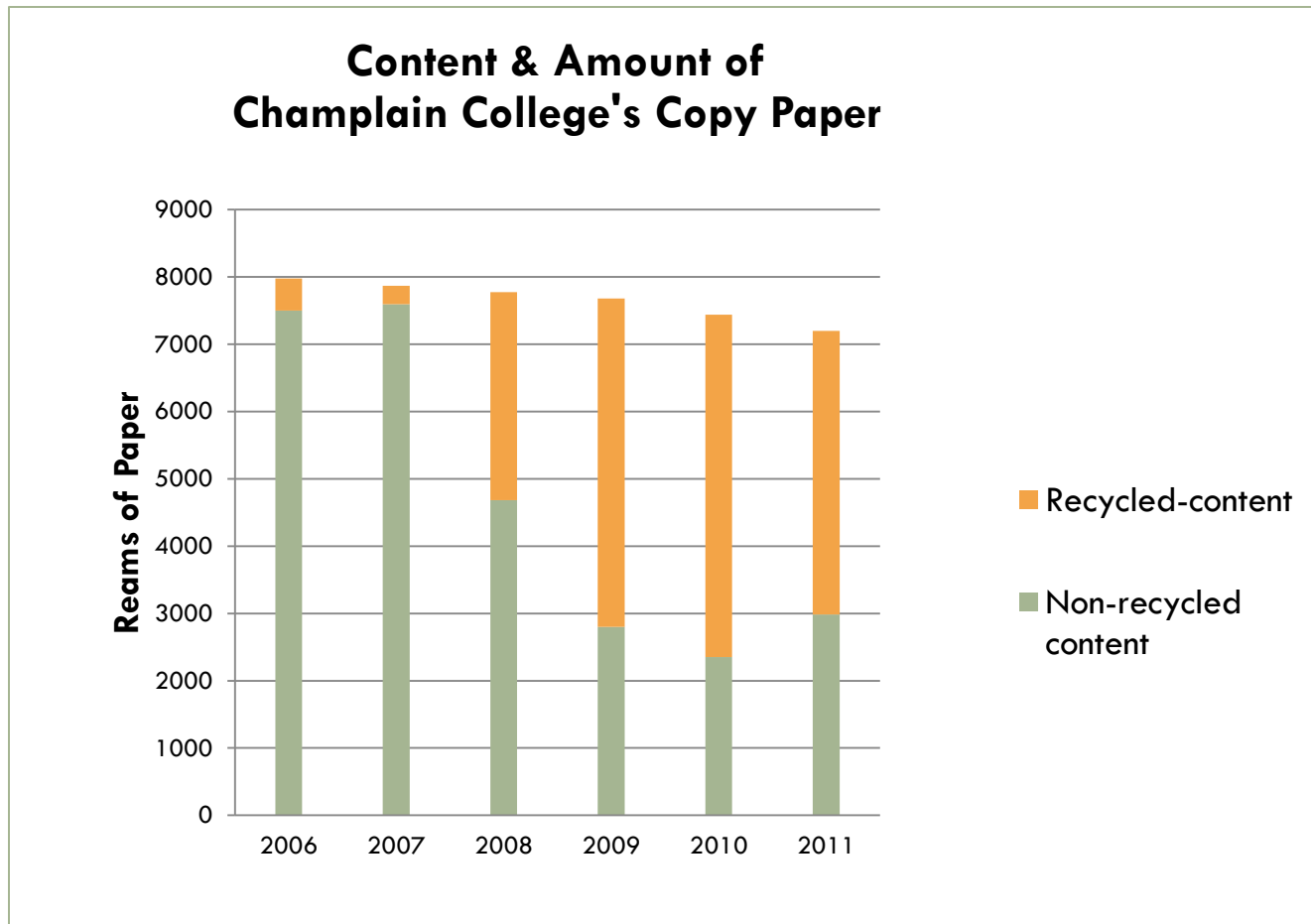
Note: Trash is the most accurate weight, as the large compactor is billed by actual weight. Recycling & Compost weights are based on conversions from volume of container and frequency of pick-ups. Does not include Spinner Place or Quarry Hill.

# Champlain College Waste Statistics at a Glance:

**Mixed electronic waste (pounds)**



# How much paper do we use?



# Definitions

- Waste Diversion = diverting materials from the landfill by recycling, composting, reusing, donating, or re-selling.
- Waste Reduction = strategies to reduce total waste generation (garbage, recycling, and compost) per weighted campus user



# What we do already: Waste Diversion

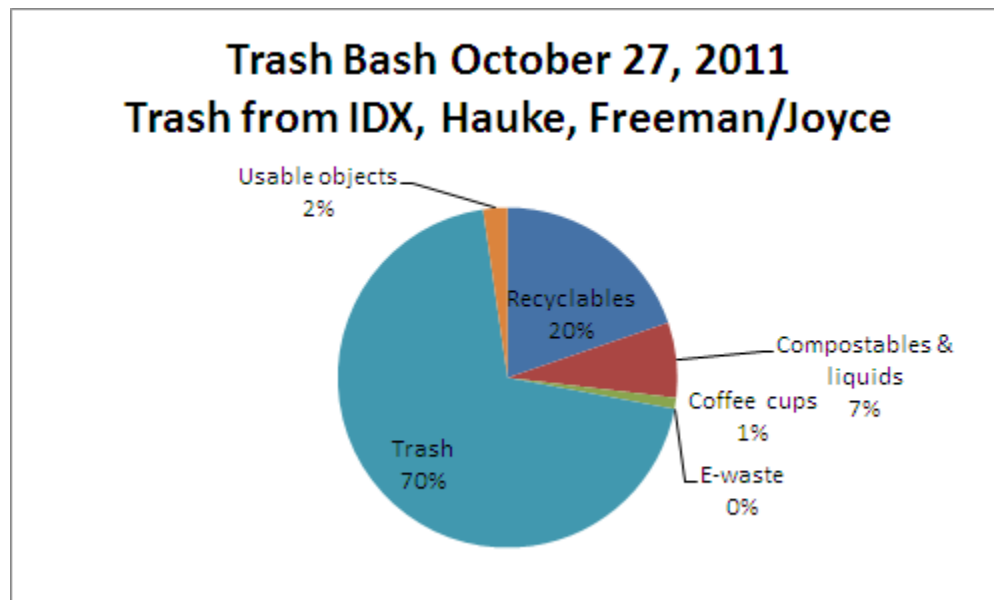
- Expanded bin/stations across campus
  - 70% waste diversion rate (Sightlines)
- E-waste collection for recycling (large & small devices)
- Recycling
  - Offer single stream recycling for wide variety of paper products, plastics #1-7, glass, and aluminum
- Compost
  - Offer pre and post-consumer composting in the dining hall and Jazzman's Café
  - Additional collection sites: Fireside Lounge, MIC, Hauke Conference Room, Aiken kitchenette
- Book collection program, partnering with [Better World Books](#)
- Move Out collection programs for on and off-campus students
- LEED C&D waste practices for new construction

# What we do already: Waste Reduction

- BYOB (bring your own mug, get discount on drink)
- Water bottle refill stations in several buildings across campus ([see map](#))
  - ▣ Exploring removing bottled water from Coke contract
  - ▣ Distribute water bottles
    - New students (orientation)
    - New staff (welcome lunches)
    - Single Parents Program
    - Resident Assistants & Orientation Leaders
- Increasing duplexing capability with printers
- New Waste Hauler RFP (starting July 1, 2012)

# What we do already: Outreach

- ❑ [Sort it Out](#) film
- ❑ [Guide to Greening Campus Events](#)
- ❑ Staffed waste separation stations at major campus events
- ❑ Annual Trash Bash waste sort



# Resources: AASHE STARS (p. 186-206)

<b>Waste</b>		
<b>Credit Number</b>	<b>Credit Title</b>	<b>Possible Points</b>
OP Credit 17	Waste Reduction	5
OP Credit 18	Waste Diversion	3
OP Credit 19	Construction and Demolition Waste Diversion*	1
OP Credit 20	Electronic Waste Recycling Program	1
OP Credit 21	Hazardous Waste Management	1
<i>OP Tier Two</i>	<i>Waste Tier Two Credits</i>	
38	Materials Exchange	0.25
39	Limiting Printing	0.25
40	Materials Online	0.25
41	Chemical Reuse Inventory	0.25
42	Move-In Waste Reduction*	0.25
43	Move-Out Waste Reduction*	0.25
<b>Total</b>		<b>12.5</b>

\*credit does not apply to all institutions

# Resources/Best Practices

- College & University Recycling Coalition
  - Offers informative webinars & newsletters
- Adopt a Zero Waste Policy
  - Macalester College – Zero Waste by 2020
    - Created a Zero Waste Committee
    - Divert 90% of waste from landfills and incinerators
    - Contract with a zero waste hauler (Eureka Recycling)
- Vendor Agreements
  - Reduce packaging



MACALESTER  
COLLEGE



# Goals & Tasks Brainstorm

- Setting “SMART” goals

<b>S</b> Specific	<b>M</b> Measurable	<b>A</b> Achievable	<b>R</b> Relevant	<b>T</b> Time Bound
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- Need to incorporate social justice & equity issues into our plan and goals, when applicable

# Examples of Goals

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- Example Goal 1: To collect all clean one-sided paper from the library printers by Fall 2012.
- Example Goal 2: To have zero bottled water on campus by Fall 2013.
- Example Goal 3: To increase file drive space to encourage e-documents/files by Spring 2013.

# Announcements/Questions

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- Goals, etc. will be compiled and reviewed
- Announcements/Questions?
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