

Rethinking Materials
Management for
Community
Colleges: A Top to
Bottom Review –

Or, a primer on
recycling programs.

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Lane Community College







Why recycle?

- Cost of landfill vs cost of recycling
- Savings
- Compliance
- Revenue
- Teaching models
- Stream consistency
- Methane offsets/climate neutrality
- Free positive press

First Thoughts....

Create a presence - start collecting “core recyclables:” paper and beverage containers

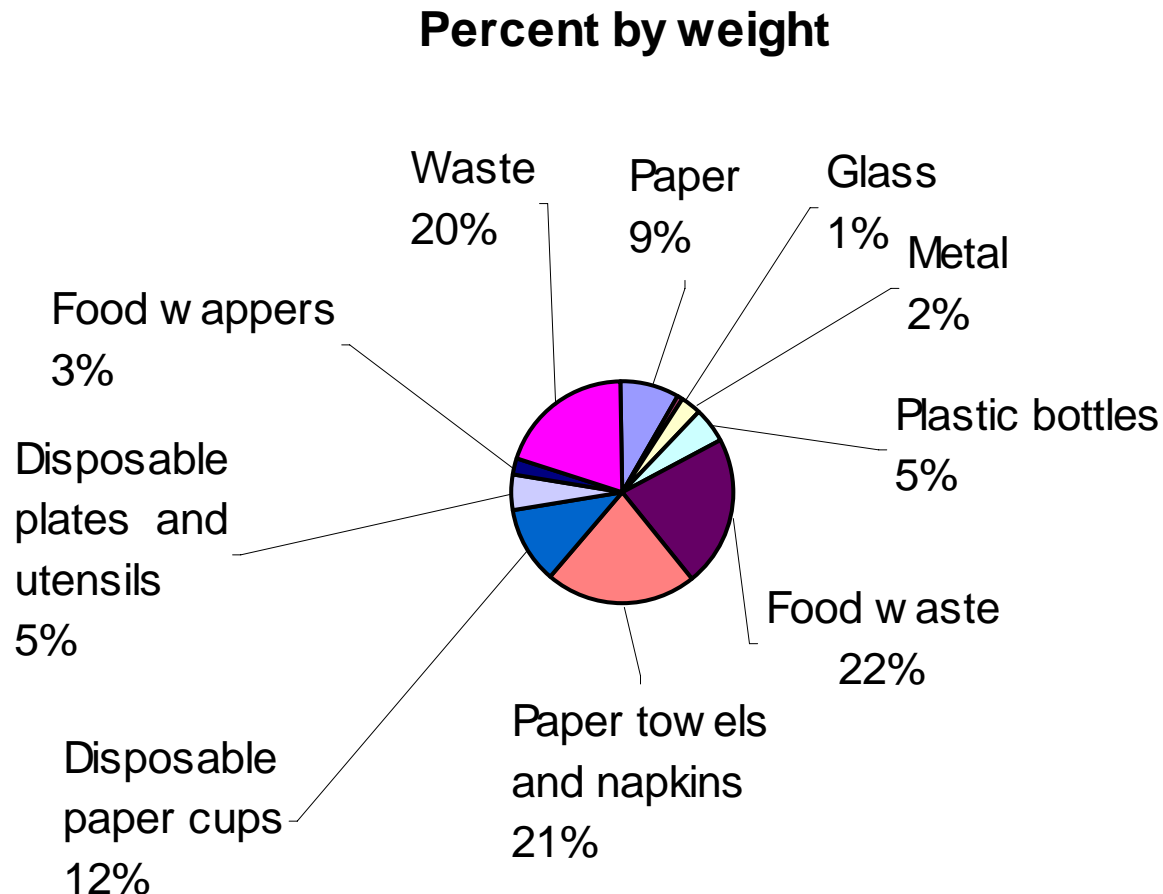


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- Create interest from students – your greatest ally
- Conduct a waste audit

First Thoughts...

Conduct a waste audit



First Thoughts....

- Create a presence - start collecting “core recyclables:” paper and beverage containers
- Create interest from students – your greatest ally
- Conduct a waste audit
- Research markets
- Do cost savings analyses
- Track everything!

Thinking differently....



Thinking differently....

- Seeing “commodities”
- Hire a recycling coordinator
- Simple purchasing



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- Hire a recycling coordinator
- Simple purchasing
- Create reports and publicize

Thinking differently....

Performance Indicators

FY	Rate	Recycled	Landfilled	Savings/Revenue
03-04	52%	339.92	316.82	\$45,631.14
04-05	58%	457.77	357.75	\$49,401.66
05-06	61%	485.18	314.46	\$60,374.27
06-07	62%	506.42	308.61	\$61,341.00
		1,789.29	1297.64	\$216,748.07

Thinking differently....

Revenue and Savings Summary FY 05-06

Revenue from paper sales	\$1,458.18
Revenue from surplus property sales	\$18,630.41
Revenue from container deposits	\$1,833.50
Revenue from mixed plastic/e-recycling	\$40.65
Revenue from metal recycling	\$6,076.05
Cost savings from reuse of material	\$10,260.00
Cost savings from landfill avoidance	\$22,075.48
	\$60,374.27

Thinking differently....

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- Hire a recycling coordinator
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- Create reports and publicize
- Tap into reuse and surplus property



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- Reduction programs/education/outreach



National Recycling Competition among over 400 schools (2008) sponsored by National Recycling Coalition and the EPA

Lane Community College placed 4th in the “waste minimization” category

Tacoma Community College placed 3rd in the “waste minimization category and 4th in the “grand champion” category.

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- Hire a recycling coordinator
- Simple purchasing
- Create reports
- Tap into reuse for incoming/outgoing
- Reduction programs/education/outreach
- Composting organic material



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- Student projects/curricular integration



Rethinking everything....

- Major infrastructure investment



8,000 – 10,000 square feet total

Outdoor Covered Space

Rethinking everything....

- Major infrastructure investment
- Dedicated staff
- Dining/Food Services materials capture
- Comprehensive organics waste composting
- Pronounced educational investment (credit, continuing and community education)

Rethinking everything

- Preparation of commodity material
- Surplus property sales/value added sales
- Purchasing influence
- Comprehensive C&D recycling
- Comprehensive event recycling
- Recycling containers in all rooms

Materials Management Rethought

Create a presence – collect “core recyclables”

Create interest from students

Conduct waste audits

Research markets

Cost savings analyses

Track everything!

Seeing “commodities”

Hire a recycling coordinator

Simple purchasing

Create reports

Tap into reuse for
incoming/outgoing

Reduction
programs/education/outreach

Composting organic material

Student projects

Preparation of commodity
material

Surplus property sales/value
added sales

Purchasing influence

Comprehensive C&D recycling

Comprehensive event recycling

Recycling containers in all rooms

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