Waste Diversion from Construction Projects at CSULB

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CSU Long Beach

- 34,000 students
- 2nd largest public university in CA behind UCLA
- 224 acres
- Urban environment – access to good recycling markets
AB 75 Requirements

All California state facilities required to implement recycling programs to divert:

- 25% solid waste by 2002
- 50% solid waste by 2004
Material Streams Targeted at CSULB

- Landscape Debris
- Wood
- Cardboard
- Mixed Paper
- Scrap Metal
- Construction & Demolition Debris
- Surplus Property
- Pallets, tires, electronics, misc
- Beverage Containers
C&D Recycling Framework

- Establish working relationship with campus Planning & Construction group
- Develop requirements for recycling on renovation and new construction projects
- For new buildings, ensure that staging areas for trash and recycling are incorporated in design phase
- Work with contractors to help facilitate recycling activities
Incentives & Requirements

For contractors, CSULB has created:

- **INCENTIVES**
- **&**
- **REQUIREMENTS**

- Incentives . . . motivated by cost savings
- Requirements . . . keep them simple
During renovations, provide recycling options where possible for: metal, cardboard, wood

Removing recyclables from waste stream will reduce waste hauling costs
Incentives

- Mattresses from campus housing renovation posted and sold on publicsurplus.com instead of discarded in trash
Incentives

- Student desks and bed frames from housing renovation project donated to non-profit groups or dismantled and recycled.
Incentives

- Tables and chairs from dining commons renovation project posted and sold on publicsurplus.com instead of discarded.
Office dividers from three major office renovations posted and sold on publicsurplus.com instead of discarded.
Auctions
www.publicsurplus.com
Auctions

www.publicsurplus.com

- Only 6 of 23 CSUs participate in on-line auction site:

  CSU Dominguez Hills
  CSU Fresno
  CSU Long Beach
  CSU Northridge
  CSU Sacramento
  Cal Poly San Luis Obispo
Auctions

- Cal Poly San Luis Obispo is the most productive user of the publicsurplus.com auction site of all state schools in California.

- Operation is run by (1) fte and (4) student assistants (20 hrs/week)

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<th>Tonnage</th>
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(2004 cy)
Donations
www.lashares.org

L.A. SHARES is a non-profit program that takes tax-deductible donations of reusable goods and materials (both new and used) from the local business community.

L.A. SHARES redistributes these items FREE OF CHARGE to non-profit agencies and schools throughout Los Angeles.

“Thank you L.A. SHARES for putting our used computers and equipment into the hands of deserving schools and non-profits.”

Richard Sweeney
Executive VP
Copeland Products, Inc.

“L.A. SHARES is a boon for the school district. Where else can you get much needed furniture and office supplies for free?”

David Tokofsky
Board Member
Los Angeles Unified School District
Charter schools using donated tablet arm chairs from CSULB
Donations

- Charter schools using donated furniture from CSULB
Incentives

Mature trees removed for streetscape renovation project
Incentives

. . . donated to art department furniture design class
Incentives

- Wire and scrap metal collected from renovation of FMS building to new public safety building
Requirements

- Physical Planning & Construction Management (PPFM) includes specifications in bid documents requiring contractors to recycle waste generated from construction projects.
Specifications are relatively simple

Contractors must submit weight tickets of waste/recyclables from job site

Specs include list of C&D recycling facilities that sort and recover recyclable materials
Requirements
C&D recovery facility near Port of Los Angeles
Requirements

- Campus paper recycling service provided to construction site office
Benefits

- Contractors *will* reduce waste hauling costs by implementing waste diversion practices

- University receives diversion credit toward AB 75

- Valuable resources are recovered leading to increased sustainability

- University reduces its waste hauling costs
Benefits

- C&D debris recycling contributes to solid waste cost savings at CSULB

![Graph showing CSULB Annual Solid Waste Disposal Costs](chart.png)
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Once the Building is Complete

Make sure recycling opportunities for occupants are implemented. . .
Welcome to the CSULB recycling website. The primary goal of this site is to inform the campus community of the recycling opportunities available at our university to help prevent valuable resources from being discarded. We've also provided information on what happens to the materials collected from campus, as well as facts about the benefits of recycling. We hope you find the site useful.

Why Recycle?
- Surplus Property
- Greenwaste
- Computers & Electronics
- Batteries
- Packing Peanuts
- Confidential Documents
- Recycling Stats

Mixed Paper
- Scrap Metal
- Pallets
- Cooking Grease
- Tires & Motor Oil
- Special Events
- C & D Debris

Cardboard
- Wood
- Inerts
- Toner Cartridges
- Cans & Bottles
- Student Housing
- ASI Recycling Center

Map of Facilities Management Corporate Yard
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