California State University, Chico  
Campus Conservation Committee Annual Report  
2009

CSU, Chico established the Campus Conservation Committee (CCC) in August 2000 to review the university’s waste management procedures and to make recommendations to campus administration on ways to further reduce, reuse, and recycle waste products. In addition, the committee is asked to submit an annual report to cabinet each year that describes the waste reduction measures implemented.

The annual report below is based on SB 1016. SB1016 is the required report in which the University summarizes our landfilled waste to the Department of Resources Recycling and Recovery (formerly the California Integrated Waste Management Board) each year.

The SB 1016 focuses on two primary elements:

I. **Landfill Waste Reporting:**
   Landfill waste is reported in SB 1016 by weight per employee per day, and a combined category of weight per employees and students. The per capita numbers do not include weight from materials that are recycled, reused, or otherwise diverted from the landfill.

   CSU, Chico is assigned a target weight by Department of Resources Recycling and Recovery which is based on a 50% diversion rate of 2006 waste weights. The actual weights are compared to the target weights to determine if CSU, Chico is meeting the established waste diversion targets.

   CSU, Chico reported 1,362 tons of landfill waste in 2009*. As detailed in the chart below, CSU, Chico successfully met the target weights in 2009 and is in compliance with SB1016:

   **2009 Weights per Person per Day**

<table>
<thead>
<tr>
<th>Employees (1,866)</th>
<th>Target Pounds</th>
<th>Actual Pounds</th>
<th>Change from 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤7.1 lbs per person</td>
<td>4.0 lbs per person</td>
<td>↑ .1 lbs per person</td>
<td></td>
</tr>
<tr>
<td>Employees and Students (15,797)</td>
<td>≤6 lbs per person</td>
<td>0.5 lbs per person</td>
<td>No Change</td>
</tr>
</tbody>
</table>

   Target Pounds= (Year 2006 waste weights /Year 2009 employees or employees & students / 365 days/2)

   *2009 Landfill Weights - Tonnage for the landfill waste stream was determined from actual scale weights provided by the waste hauler for large 18 and 20 yard dumpsters. Full volume of smaller dumpsters was multiplied by a conversion factor of 150 lbs per yard, derived from the average weight per cubic yard of all waste weighed by the hauler.

II. **Program Reporting:**
   Waste diversion programs are the essential elements of the reporting requirement. The state selected 2006 as the benchmark year against which to measure the new performance metrics in SB 1016. That happened to have been a good year for CSU Chico waste diversion, but not a typical one. Construction activity had contributed significantly to both a higher diversion rate and a higher waste to landfill weight per person that year. In a year not so influenced by construction activity CSU Chico had exceeded the mandated diversion percentage by only a narrow margin. To keep a leadership role and meet future performance measures CSU Chico should continue to support established programs and encourage development of new ways to reduce our waste to the landfill. The CCC recommendations outline campus goals to further improve waste diversion efforts. ([http://www.csuchico.edu/vpbf/sustainable/ccc/reports.shtml](http://www.csuchico.edu/vpbf/sustainable/ccc/reports.shtml)).
What changes have there been in the waste generated or disposed by your State agency/large State facility during the report year? (For example, changes in types and/or quantities of waste.) Explain, to the best of your ability the causes for those changes.

On occasion, recyclable construction materials such as concrete, lumber, drywall, metal, furnishings, fixtures, and paper have been observed in campus dumpsters. Although all new campus construction projects follow LEED certification requirements, smaller campus project designs may not include such considerations.

Explain any changes to waste diversion programs that were continued from the prior report year:
- The library has been cleaning out much of their unused text this semester. We have seen an increase of over 20,000 lbs in the amount of books we have collected from the library in comparison to last semester.

Explain any waste diversion programs that were newly implemented:
Reduced over 1,000 phonebooks requested on campus this year by:
1. Sending out e-mail encouraging reduction and suggesting alternative options
2. Sending out interns to each department to educate staff/faculty about alternatives to phonebooks
3. Posted alternative resources to phonebooks on our webpage

Stickers were developed to encourage the recycling of toner and ink cartridges. They were placed on all new printer/copiers placed on campus.

The Associated Students adopted a goal of zero waste by 2015. This goal is even more aggressive than the UC system’s goal of zero waste by 2020.

A new AS Recycling website was formed to go with the new AS website. The link is www.aschico.com/recycle

AS Recycling created an educational video. In 25 days they received 1,437 views, which is roughly 57 views a day. The video can be found at: http://www.youtube.com/watch?v=34QZY4cvkLs
AS Recycling setup a “temporary” enclosure to collect block Styrofoam on campus. The enclosure is located behind Siskiyou hall by the print shop/satellite dish.

What types of activities are included in each of the waste diversion programs you continued or newly implemented during the reporting year?

- **Recycling Program:**
  AS Recycling Program provides campus wide recycling collection services for office paper, beverage containers and pre-consumer compost at CSU, Chico. Student staff collects white paper, mixed paper, newspaper, shredded paper, magazines, books, cardboard, aluminum cans, glass and plastic bottles, and bi-metal (tin cans). Collection programs include Office Recycling, the Faculty Call-in Program, Special Event Recycling, Phone Book Collections and the Saturday Donation Center.

- **Construction Waste Diversion:**
  Construction contracts incorporate waste management specifications requiring contractors to plan and divert concrete, asphalt, aluminum, metal and other recyclable construction by-products from the landfill.

- **Other Recycling:**
  o Sensitive documents that are taken in bulk to the State shredding facility.
  o Contract waste hauler provides recycling bins at the housing units outside the AS pick up area.
  o 1-yard “metal shop scrap” and 20-yard miscellaneous metal scrap collection containers.

- **Reduction of Paper Use:**
  o Double sided printing is encouraged for all copier and computer printing jobs.
  o The campus utilizes recycled paper in all towel dispensers on campus.
  o Housing Department refuses delivery of 80% of offered phonebook deliveries.
  o On-line Campus Catalog and e-mail use also accounts for reducing paper use.

- **Office Supply Swap:**
  o Offices and departments donate office supplies they no longer want. AS Recycling gives away reusable office supplies such as folders, binders, envelopes and paper to campus and to non-profit organizations.

- **Composting:**
  o Food scraps are collected from five kitchen areas on campus, including the Garden Café, Whitney Dining Hall, and the Primo Espresso Cart and Café are taken AS Recycling to the University Farm or on-campus Compost Display Area for composting.
  o Housing Department collects grass clippings and delivers them to the farm for composting. Annual leaf fall is collected and dropped off at City of Chico collection sites for transport to the municipal composting facility.
  o The university contract waste hauler provides two 18-yard green waste containers, the contents of which are composted or converted to cogeneration.

- **Grasscycling:**
  Mulch mowing is used on our main campus playfields and lawn areas.

- **Tree and Limb Removal:**
  Tree and limb removal is either taken away by tree service or converted to firewood, green waste, or lumber.

- **Cardboard:**
Contract waste hauler provides cardboard collection receptacles at various locations on campus.

- **Newspaper Recycling:**
  Newspaper companies provide dedicated collection bins to facilitate their recycling efforts. AS Recycling collects all other newspapers that do not end up in these bins.

- **Rendering:**
  - The CSUC Farm Meat Lab sends all by-products to rendering service for making animal feed.
  - AS Food Service collects unusable fryer oil at all food service areas on campus.

- **Used Book Buy Back:**
  AS Bookstore buys back over 30,000 books that are either used for the next semester’s program or sold to a used book wholesaler. All unusable books are recycled through AS Recycling.

- **Diversion Excursion:**
  A cooperative effort between the Housing Department and Associated Students Recycling collects reusable materials and recyclables from Resident Hall move out. The materials are then sorted and distributed to local charities and recycling centers: In 2009 over 17,000 lbs were diverted.

- **Reuse of Materials and Equipment:**
  - Both Main Campus and AS Receiving Departments collect and reuse packaging materials (plastic peanuts).
  - Toner and laser cartridges are collected and recycled.
  - Both Main Campus and AS Receiving Departments reuse pallets or sell them to pallet recyclers.
  - Efforts are made to store surplus furniture for reuse, resale, or donation.

- **Reduction of Hazardous Materials Use:**
  Micro-scale chemistry is used whenever possible to reduce chemical use.