

Keep America Beautiful Presents

RECYCLE BOWL COMPETITION

Sponsored by



First annual,
nationwide, K-12
school recycling
competition

Join in on the fun,
score big and win!

California K-12 Schools Recycling Challenge & GBGE High School Green Arts Competition

Partnerships Encourage Increased Diversion

Christine Flowers, Executive Director Keep California Beautiful
Ray Scott, Administrative Services Manager Price Disposal



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About

California K-12 Schools Recycling Challenge is being piloted in 2010, to generate enthusiasm for recycling and promote a healthy competition between schools and recycling coordinators.

Overall Goals for California K-12 Schools Recycling Challenge

- Have a fair and friendly recycling competition.
- Increase recycling participation by students, staff and community members.
- Heighten awareness of schools' waste management and recycling programs.
- Have the competition serve as a catalyst for K-12 schools and/or school districts to build and expand waste reduction programs.
- Organize this event successfully so it can be repeated and possibly expanded to other schools and states in the future.

Online registration is **EXTENDED TO NOV 5TH** and the competition takes place during the month of November.

The winners have been announced! Awards totaling \$5,000 will be distributed to the winning schools and districts to support their recycling initiatives.

Additionally, participants in the Waste Minimization Competition Category will compete for the coveted "Waste Not, Want Not" trophy. This trophy stays with the winner for the year before being forwarded to the following year's winner. The winner will also receive a permanent award to keep.

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Promotional Partners



State-wide Participants-Pilot 2010

- ✓ 88 individual points of contact.
- ✓ 40% or 23 of CA Counties had at least one participating school or district: Alameda, Contra Costa, Kern, Kings, Los Angeles, Madera, Orange, Placer, Riverside, Sacramento, San Bernardino, San Diego, San Francisco, San Joaquin, Santa Barbara, Santa Clara, Santa Cruz, Sonoma, Trinity, Tulare, Tuolumne, Ventura and Yolo.
- ✓ 4 district-wide competitors representing 23 schools.
- ✓ 84 individual school/classroom competitors.
- ✓ 92,223 students impacted.
- ✓ 4,346 teachers impacted.



Wasco Union School District

2007 – 2008 School Year =



Number of 2.5 yard garbage bins located at each of our five school sites; generating 10 yards of refuse daily per site for a total of 250 yards of refuse district wide being sent to the landfill weekly.

2010 – 2011 School Year =



Number of 2.5 yard garbage bins located at each of our five school sites and the number of 6 yard recycling bins located at each of our five school sites.

By effectively and efficiently using space in garbage and recycling containers each site is now generating less than 12.5 yards of refuse weekly for a total of less than 62.5 yards weekly district wide; 12 yards of recyclables weekly for an average of a total of 60 yards of recyclables district wide.



Four Keys To Success

- ✓ Identify those employees who are good leaders and build a team to get the ball rolling for your recycling program.
- ✓ Locate a recycling vendor who is willing to pick up your recyclables as a mixed batch in one container at each site.
- ✓ Stack expanded polystyrene food trays to better use space in refuse container and/or locate a vendor willing to recycle expanded polystyrene.
- ✓ Divert all recyclables to the recycling flow such as cardboard, mixed paper, milk cartons, plastics, metal cans, glass containers, etc...



Wasco Union School District

Keep California Beautiful K-12 Challenge Wasco Union School District Week One

School Site: _____

November 1, 2010 Refuse Bin: ¼ ¼ ¼ Full Pick up Day: Yes No
Recycle Bin: ¼ ¼ ¼ Full Pick up Day: Yes No

November 2, 2010 Refuse Bin: ¼ ¼ ¼ Full Pick up Day: Yes No
Recycle Bin: ¼ ¼ ¼ Full Pick up Day: Yes No

November 3, 2010 Refuse Bin: ¼ ¼ ¼ Full Pick up Day: Yes No
Recycle Bin: ¼ ¼ ¼ Full Pick up Day: Yes No

November 4, 2010 Refuse Bin: ¼ ¼ ¼ Full Pick up Day: Yes No
Recycle Bin: ¼ ¼ ¼ Full Pick up Day: Yes No

November 5, 2010 Refuse Bin: ¼ ¼ ¼ Full Pick up Day: Yes No
Recycle Bin: ¼ ¼ ¼ Full Pick up Day: Yes No

Yardage of Refuse: _____ Yardage of Recyclables: _____

Keep California Beautiful K-12 Challenge Tally Sheet

Weekly Totals for All Sites in Yardage and Pounds		Yards	Pounds
Week One:	Yardage and Pounds to the Landfill:	51.875 Yards	7,781
	Yardage and Pounds to Recycle Facility:	60 Yards	3,000
Week Two:	Yardage and Pounds to the Landfill:	42.5 Yards	6,375
	Yardage and Pounds to Recycle Facility:	58.5 Yards	2,925
Week Three:	Yardage and Pounds to the Landfill:	48.25 Yards	7,238
	Yardage and Pounds to Recycle Facility:	60 Yards	3,000
Week Four:	Yardage and Pounds to the Landfill:	29.375 Yards	4,406
	Yardage and Pounds to Recycle Facility:	51 Yards	2,550
Totals for Keep California Beautiful K-12 Challenge			
	Yardage and Pounds to the Landfill:	172 Yards	25,800
	Yardage and Pounds to Recycle Facility:	229.5 Yards	11,475

Five School Locations

3182 Students

160 teachers

3342 number for calculations of per capita

Total pounds waste generated: 37,275 pounds (25,800 landfill, 11,475 recycle)

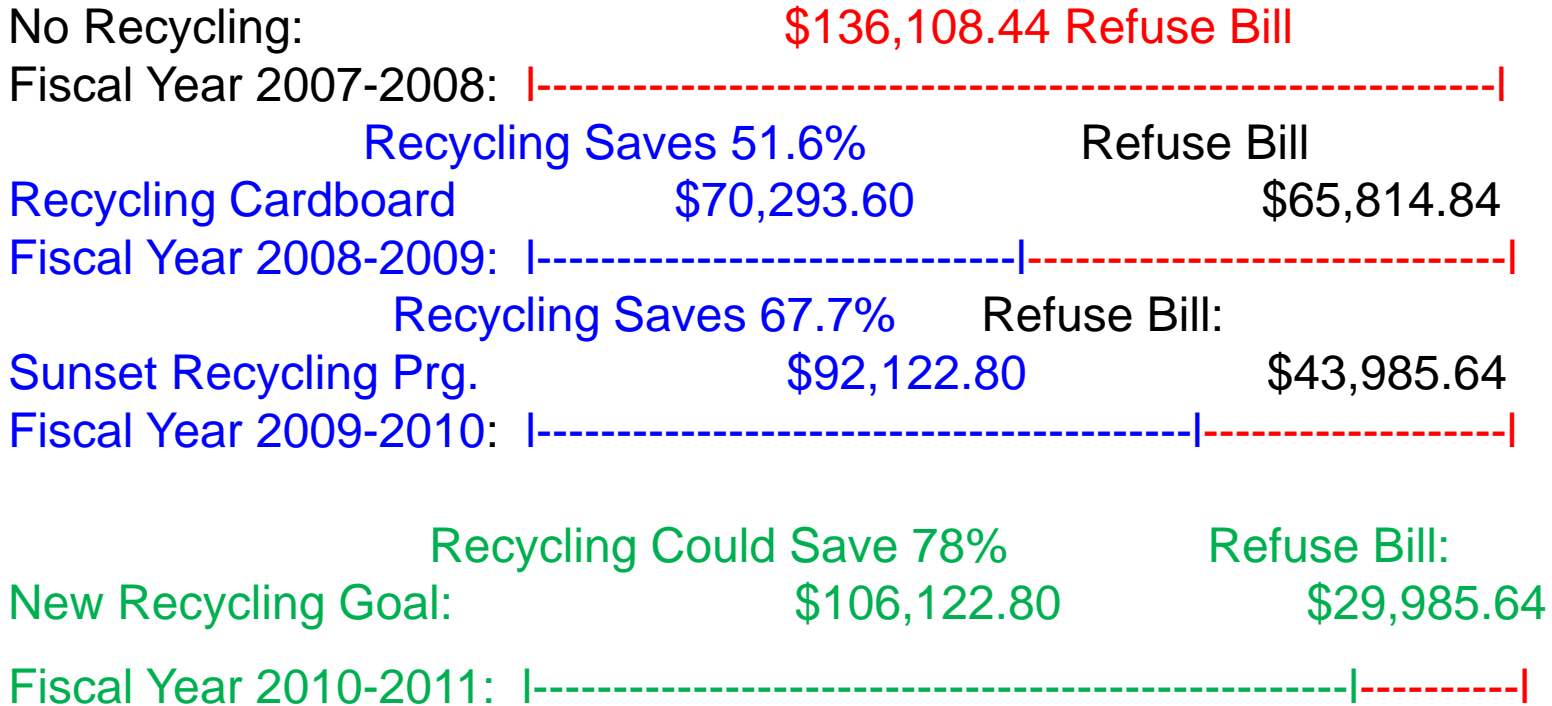
$37,275/3342 = 11.15$ pounds per student/teacher waste generated

$11,475/37,275 = 30.78\%$ overall diversion rate

$11,475/3,342 = 3.45$ pounds recycled per student/teacher



Wasco Union School District Recycling Program/Refuse Saves Money



Recycling Services Provider Can Help With Planning and Execution



- ✓ Deliver 10-96 gal. barrels to each school and exchange 1- 3 yard bin serviced 5 times weekly to 1 – 1.5 yard bin serviced 5 times weekly.
- ✓ In most cases disposal costs are based on volume when using bin service.



Arvin Union School District - 2006

2236 Cubic Yards Diverted

3510 Cubic Yards of Trash

5746 Total Cubic Yards

✓ **38.9% Diversion**

✓ **\$ 13, 500.84 per year savings**



Competition Structure

- ✓ **Grand Champion**
The Grand Champion category combines trash and core recyclable materials to determine an individual school or school district's recycling rate as a percentage of its overall waste generation.
- ✓ **School's Per Capita**
Individual schools compete to see which can collect the largest combined amount of paper, cardboard, CRV Beverage Containers, and or Mixed Recyclables per person.
- ✓ **Blue Whale**
This category recognizes the larger schools or districts that recycle the highest gross tonnage of combined paper, cardboard, CRV Beverage Containers, and or Mixed Recyclables during the four week long competition, regardless of campus population.
- ✓ **Targeted Materials**
In addition to the three primary competitions, schools may compete in five targeted material categories including Paper, Corrugated Cardboard, CRV Beverage Containers, Food Service Organics and Expanded Polystyrene Foam.
- ✓ **Waste Minimization**
This category focuses on overall waste reduction instead of recycling. Schools compete to see which produces the least amount of municipal solid waste (both recyclables and trash) per person.



Pilot Results

- ✓ Tested online registration and reporting mechanisms so that we can scale the program for wider scale participation.
- ✓ Changes will be made in website so the participants can edit data to make corrections instead of having to email request.
- ✓ Data verification check list to be updated.
- ✓ Incentive needs to be developed to encourage completion.



Pilot Results

- ✓ 3 district-wide competitors (13 schools) and 34 individual school/classrooms completed all four weeks of competition - 42,545 students and 2,112 teachers.
- ✓ Individual schools ranged in size from 56 to over 3,500 students and each district had over 3,000 students participate each week.
- ✓ Top honors for 26 categories went to three districts, Arvin Union, Standard Union and Wasco Union; as well as nine individual schools Carlton Elementary, Center Street Elementary, Independence High School, Los Altos High School, Marina Vista Elementary, Santa Barbara Home Based Partnership, Suzanne Middle School, Team Up To Cleanup and Union Middle School.



Pilot Results Numbers:

- ✓ Over 148,000 lbs recycled in 4 weeks.
- ✓ The averaged to be nearly 3.5 pounds recycled per participant:
 - ✓ Paper: 33,456 lbs
 - ✓ OCC: 10,669 lbs
 - ✓ CRV: 4317 lbs
 - ✓ Mixed Recyclables: 68,628 lbs
 - ✓ Food Waste Composted: 30,398 lbs
 - ✓ Food Diverted: 1,115 lbs



Celebrate and Congratulate

“Waste Not Want Not Trophy”

- ✓ Winners for each of the 26 categories received a total of **\$5,000** in prize money.
- 
- ✓ Arvin Union School District, Superintendent accepts winning award for Waste Minimization Category, and received perpetual trophy on Earth Day as part of State-wide press event.



It gets bigger!

- 2nd Annual K-12 California Schools Recycling Challenge Oct 17-Nov 12, 2011. Registration is open now though Oct 17th. Register early to receive free tool kit and supplies while they last.
- KCB will provide California participant numbers to Recycle-Bowl so participants will not have to enter information twice.



Plan For Fall 2011:
We need sponsors and partners!

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