

SMaRT Station® Annual Report 2013-2014



Mountain View, Palo Alto and Sunnyvale

A SMaRT Partnership

New Operating Contract Awarded

After an open, competitive bidding process, the Sunnyvale City Council unanimously awarded incumbent operator, Bay Counties Waste Services, the new SMaRT Station Operations contract beginning January 1, 2015 through the next seven years.

In November 2013, the City of Sunnyvale issued a Request for Proposals (RFP) for a SMaRT Station operator. The RFP encouraged bidders to suggest innovative strategies to maximize efficiencies and cost- and diversion-effectiveness within a reasonable cost margin.

The City received three proposals and, after careful evaluation, Bay Counties' proposal emerged as the top choice as well as the lowest price. Bay Counties included a number of options in their proposal, some of which are relatively simple and at their own expense, while others are more complex and include additional equipment installations to more efficiently divert recyclable materials.

Here are the highlights of the new agreement:

- Installation of additional screens to enable sorters to capture more plastic bottles and other recyclable containers;
- Installation of an optical sorter on the curbside recyclables processing line that automates plastic bottle sorting and saves on manual labor;
- Operation of a paint take-back program at the SMaRT Station to offer residents convenience and an opportunity to recycle paint;
- A "Reuse Trailer" offering recovered durable items to the public at no cost; and
- A Buy-back program for cardboard.

The SMaRT Station partners are looking forward to working with Bay Counties Waste Services for the next seven years and realizing greater diversion rates that will help achieve California's 75 percent diversion goal.



CITY OF
PALO
ALTO

A blue ink signature of Mike Sartor.

Mike Sartor
Public Works Director
City of Palo Alto



CITY OF MOUNTAIN VIEW

A blue ink signature of Michael A. Fuller.

Michael A. Fuller
Public Works Director
City of Mountain View



A blue ink signature of John Stufflebean.

John Stufflebean
Environmental Services Director
City of Sunnyvale

Costs, Revenues and Diversion 2013-2014

Financial Summary of Costs and Revenues

	Mtn. View	Palo Alto	Sunnyvale	Totals
City Population	76,781	66,861	147,055	290,697
Cost Sharing Percentage	31%	18%	51%	
COSTS (in thousands)				
Operating costs	\$4,041	\$2,282	\$6,761	\$13,084
Landfill Fees and Taxes	\$3,003	\$2,042	\$5,582	\$10,627
Yardwaste Recycling costs	\$90	\$194	\$206	\$490
Capital Replacement Fund	\$46	\$42	\$107	\$195
Host Fees to General Fund	\$222	\$125	\$361	\$708
Total Costs	\$7,402	\$4,685	\$13,017	\$25,104
REVENUES (in thousands)				
MRF Recovered Recycling Revenues	\$168	\$94	\$280	\$542
Source Separated Recycling Revenues	\$643	\$0	\$895	\$1,538
Public Haul Fees collected	\$196	\$111	\$328	\$635
Total Revenues	\$1,007	\$205	\$1,503	\$2,715
NET COSTS (in thousands)	\$6,395	\$4,480	\$11,514	\$22,389

SMaRT Station Diversion Summary

(in tons)	Mtn. View	Palo Alto	Sunnyvale	Totals
City Population	76,781	66,861	147,055	290,697
MSW* delivered to SMaRT Station	54,108	30,575	90,553	175,236
MSW Public haul	1,419	1,440	11,612	14,471
Total MSW Delivered to SMaRT	55,527	32,015	102,165	189,707
MSW disposed at landfill	44,878	25,870	82,552	153,300
MSW material diverted from the landfill at the SMaRT Station	10,649	6,145	19,613	36,407
Yard trimmings brought to SMaRT Station	6,018	12,956	13,800	32,774
Recyclables brought to SMaRT Station	9,202	0	10,962	20,164
Total Delivered	70,747	44,971	126,927	242,645
Total amount of material delivered to the SMaRT Station and diverted from the landfill	25,869	19,101	44,375	89,345

* MSW = Municipal Solid Waste

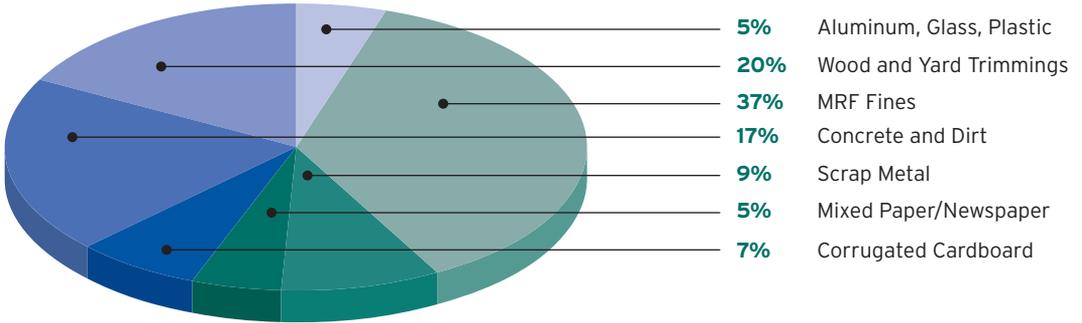


Weighing nearly 1,300 pounds each, bales of polyethylene terephthalate (PET) plastic bottles are ready for shipment to market.

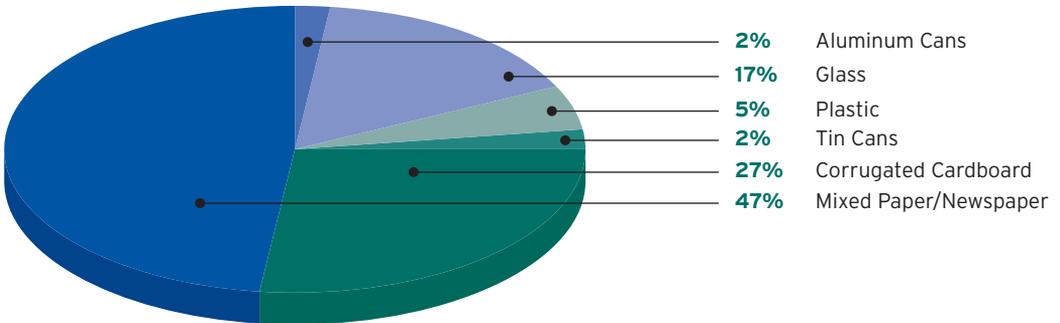
Marketing Success

Percentages shown on these charts for diverted and marketed materials reflect material weight.

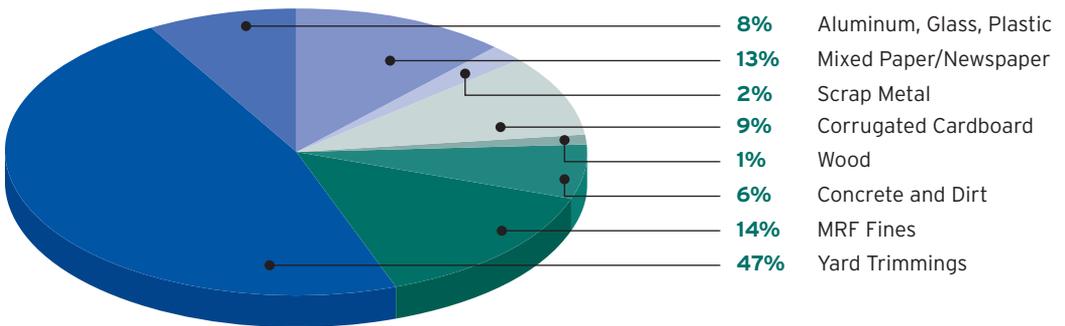
Materials Diverted from MSW



Materials Marketed from Curbside Collection



SMaRT Station All Materials Marketed



Partners in Leadership 2013-2014

CITY OF SUNNYVALE

Mayor Jim Griffith
 Vice Mayor Jim Davis
 Councilmember Glenn Hendricks
 Councilmember Dave Whittum
 Councilmember Pat Meyering
 Councilmember Tara Martin-Milius
 Councilmember Gustav Larsson

City Manager Gary Luebbers

CITY OF PALO ALTO

Mayor Nancy Shepherd
 Vice Mayor Liz Kniss
 Councilmember Patrick Burt
 Councilmember Karen Holman
 Councilmember Larry Klein
 Councilmember Gail A. Price
 Councilmember Gregory Scharff
 Councilmember Greg Schmid
 Councilmember Mark Berman

City Manager James Keene

CITY OF MOUNTAIN VIEW

Mayor Christopher R. Clark
 Vice Mayor John McAlister
 Councilmember Margaret Abe-Koga
 Councilmember Ronit Bryant
 Councilmember R. Michael Kasperzak, Jr.
 Councilmember Jac Siegel
 Councilmember John M. Inks

City Manager Daniel H. Rich

SMaRT Station Highlights

Construction and Demolition Diversion Increases

Implementation of new, aggressive sorting techniques resulted in higher diversion rates and tonnages for construction and demolition materials. The high-diversion, floor-sort system implemented by Bay Counties Waste Services uses bins dedicated to specific recyclable C&D commodities. Sorters manually pull materials out of the central pile on the tipping floor and place them into the bins. A forklift is dedicated to the C&D sorting operation instead of being shared with other areas of the facility. The forklift is thus able to immediately remove and replace full bins and empty them in designated areas from which the commodities are transported to end-user recyclers. In 2014, sheetrock and carpet were also added to C&D materials recovered from the waste stream. The high-diversion operation yielded a 6% increase in the number of tons recovered from C&D loads compared to the prior year, even though the total amount of C&D waste received at the SMaRT Station declined nearly 2%.



Workers cull sheet rock from C&D load.

Directional Signs Get A Facelift

After 20 years of exposure to the elements, many of the SMaRT Station directional signs enroute to the facility have been replaced. The largest sign, arching over the scale house and entry lanes, is made of 10 36-inch by 142-inch aluminum sheets. The replacement signs provide clear directions on where to dump self-hauled garbage or find the Recycling Center. Customers hauling garbage are directed to stop at the scale house to pay disposal costs. Customers going to the Recycling Center are directed to drive "Straight Ahead" to the drop-off area where they may redeem CRV beverage containers, load up to three 32-gallon cans of free compost, and recycle electronics, fluorescents, batteries, holiday lights and all curbside recyclables.



Arched entryway signage provides clear directions for visitors.

A partnership of the cities of Mountain View, Palo Alto and Sunnyvale
Operated by Bay Counties Waste Services