

The Economics of Recycling

Educate
Equip
Empower



Why is a waste management plan important for your business?

- **Good for the earth---**
 - less waste
 - conservation of resources through recovery
 - decreased green house gas emissions
- **Good for the employees--**
 - environmental stewardship & leadership
 - connection to natural resource
 - purchasing power
- **Good for your business—**
 - potential cost savings
 - better use of resources
- **It's the Law!** AB 341 (Generators of ≥ 4 cubic yards of waste **MUST** recycle)



Goals of a Waste Reduction and Recycling Program

- Reduce waste
- Divert waste from landfill
- Increase resource recovery
- Decrease operational costs
- Improve and sustain waste reduction programs



10 Strategies for Success

1. Have a *clear plan* with measurable goals and a realistic time line.
2. Get buy in from *ALL* the stakeholders.
3. Assign tasks to appropriate personnel.
4. Meet regularly to discuss progress.
5. Know your waste stream!
6. Know your waste collection process!
7. Educate personnel about recycling.
8. Have proper signage.
9. Have proper collection containers.
10. **STAY POSITIVE!!!!!!**





Stakeholder Involvement

1. ALL employees
2. Facilities personnel
 - custodians
 - maintenance workers
3. Waste Hauler-Marin Sanitary Service
4. Food Vendors
5. Product and Service Vendors



Know the Services offered by Marin Sanitary Service



Commercial Container Options

When you call 415-456-2601 to start your new service, you may select the size can that best suits your property's needs. You may change the size of your container by calling the number above. Customers may opt to buy their own compactors for commercial debris instead of using the ones provided by Marin Sanitary Service. Rates are based on container size. MSS does not provide collection bins for internal collection of materials.

Recycling Options:

Container Size Chart	64-gallon cart	96-gallon cart	1 cubic yards	2 cubic yards
Glass bottles, plastic small-neck bottles #1-7, aluminum and tin cans	X			
Newspaper	X	X		
Office waste paper	X	X		
Cardboard		X	X	X

Garbage Options:

- **Tipper Can Sizes** 32-gallon, 64-gallon, 96-gallon
- **Roll-off Box Sizes** 10, 18, 20 and 42 cubic yards
- **Front-Loader Box Sizes** 3 or 5 cubic yards
- **Rear-Loader Boxes** 2 cubic yards (equivalent to fourteen 32-gallon cans) of debris.

Other bulky debris options for non-garbage items:

- 3 cubic yards
- 5 cubic yards
- 10 cubic yards
- 18 cubic yards of loose debris.
- Larger sizes are available on request.

** Each cubic yard holds the equivalent of seven, 32-gallon containers).*

Materials Accepted:

You may dispose of any material in these boxes weighing less than 500 lbs. per cubic yard EXCEPT: dirt, rock, concrete, roofing materials and hazardous waste. All debris boxes are processed through the Marin Resource Recovery Center to garner any recyclable materials from the debris.

Dirt Boxes

If you need to dispose of materials that are over 500 lbs. per yard, you may order a dirt box. Dirt boxes are available in 5 or 10 cubic yards.

Sample Waste Audit Data from MSS

Audit Date	6/4/10	Waste Composition		Comments & Recommendations
		Inorganic		
Organic	Food Waste		15%	
	Yard Waste		5%	
Service Days	Tues/Fri	Paper	15%	
Recycling Bin Type & Size	4-64 blue paper; 1-64 brown general recycling	Cardboard	25%	
		Bottles: plastic and cans*	NA	
		e-Waste**	NE	
Service Days	once a week	Wood**	NE	
		Batteries**	NE	
		CFL, bulbs/tubes**	NE	



Sample Waste Cost Comparisons

Marin Sanitary Service	2007-2008	2008-2009	2009-2010	2010-2011
July	\$773.39	\$867.75	\$762.70	544.81
August	\$559.30	\$605.94	\$652.70	\$336.73
September	\$562.73	\$1168.19	\$802.70	\$642.66
October	\$809.75	\$867.75	\$652.70	\$624.40
November	\$809.75	\$867.75	\$652.70	\$624.40
December	\$809.75	\$867.75	\$652.70	\$624.40
January	\$809.75	\$867.75	\$652.70	\$624.40
February	\$809.75	\$931.50	\$557.41	\$624.40
March	\$1,028.03	\$931.50	\$707.91	\$760.40
April	\$867.75	\$931.50	\$624.40	\$692.40
May	\$867.75	\$931.50	\$624.40	\$692.40
June	\$867.75	\$931.50	\$707.91	\$692.40
Total cost	\$9,575.45	\$10770.38	\$8050.93	\$7483.80



Why sort?---the business case

More Waste = More Money Spent

Less Waste = Money savings

- Model Business: Dixie Elementary School
 - Implemented lunch time sorting with Teachers
 - Worked with Custodians on Waste plan for snack and lunch.
 - Educated parents on Zero Waste lunches



Total savings for Dixie so far:

\$2719.45 (2009-2010 school year)

\$567.13 (2010-2011 school year)

EDUCATION and Training

Help keep resources out of the landfill

Guide to proper sorting using the **GRAY**,
BROWN, and **BLUE** carts.





**Marin
Sanitary
Service**
CONSERVATION—
OUR EARTH,
OUR MISSION,
OUR JOB



It's Paper Recycling!
Put it in the **BLUE** can!

Please **NO**
food soiled paper



**Plastics #1-7,
Glass & Metal
containers &
cans**



**It's General Recycling!
Put it in the
BROWN cart!**

Please *NO* compostable plastic containers, cups, or utensils or styrofoam



OK FOR THE GRAY CAN GARBAGE

- ✓ Ceramic dishware
- ✓ Diapers
- ✓ Foil/plastic-backed paper
- ✓ Glass mirrors and windows
- ✓ Light bulbs (not CFLs)*
- ✓ Carbon paper
- ✓ All styrofoam products
- ✓ Juice/soup/soy/milk boxes & cartons
- ✓ Cat litter & animal waste
- ✓ Non-recyclable plastic & rubber
- ✓ All compostable plastics including those labeled #7 in the triangle arrows

* All CFLs (compact fluorescent lights) and tubes, batteries, paint and pesticides must go to the Household Hazardous Waste Center.



It's Garbage! Put it in the GRAY cart!



Throwing hazardous waste in the trash is
ILLEGAL!

Visit our website for more details at

http://www.marinsanitary.com/safe_hazardous.php

Please do not place bulky items in the dumpsters or garbage cans. These can be taken to the Marin Resource Recovery Center or rent a debris box. There are fees for these services. Visit our website for more details at <http://www.marinsanitary.com/mrrc.php>

Sample signs and labels



BLUE CART RECYCLABLES ONLY

PAPERBOARD & CARDBOARD

(Please break down first. Pack bigger boxes in 2'x2'x2' bundles and leave by the side of the can.)



PAPERBACK BOOKS & PHONE BOOKS

NEWSPAPER & MAGAZINES



JUNK MAIL, SCRAP PAPER & OFFICE PAPER

Internal Sorting Containers



External Sorting Containers



Potential Program Incentives



- Awards and Recognition
 - Plaque to best office recycler
 - Recognition ceremonies
 - Free or preferred parking to best office recycler
- Financial awards
 - \$\$ to division if diversion goal is met
 - Gift cards to Recycler of the month
- Get creative! See what will motivate your employees.

