

School Recycling Program Training

August 28, 2014

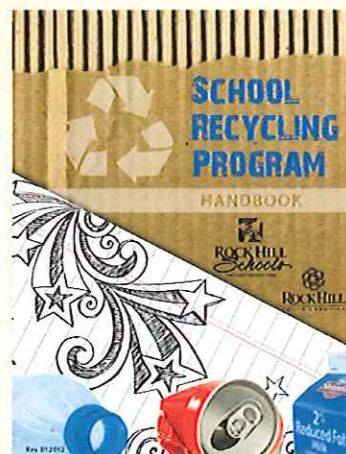


Welcome and Introductions



Materials

- Handbook
- Upcoming Events
- Contact Sheet



GET READY...

- Build a Team
 - Green Teams
 - ✦ Representatives from all school sectors
 - Classes
 - Clubs and Organizations



GET READY...

- Collecting Recycling
 - Green Teams Should...
 - ✦ Make a Plan
 - ✦ Make a Schedule
- Monitoring Recycling
 - Green Teams Should...
 - ✦ Help keep contamination low
 - ✦ Help with cafeteria recycling
- Recycling Education
 - Green Teams Should
 - ✦ Be ready to answer questions
 - ✦ Have a way to find out answers



GET SET...

- Location
 - Keep containers near to where recyclables are generated
 - Consider larger bins for high volume areas
- Labels
 - Get creative!
- Record Keeping
 - City is keeping school wide records
 - Consider class or grade level competitions
 - Set goals



Go!

- Communicate and Educate
 - Students
 - ✦ Hands on participation
 - ✦ Cross Curriculum Involvement
 - Faculty and Staff
 - ✦ Recognize exemplary teachers
 - ✦ Reminders
 - Everyone Else
 - ✦ Remind parents
 - ✦ Educate visitors



WHERE

• Collection

- Make sure blue roll carts are outside on collection day for pick up
- No recyclables in bags, except shredded paper
 - ✦ Cintas
- Make sure bins and dumpsters are not blocked by vehicles or objects



REWARD THE "DOERS"

• Reward and Recognize

- Incentives
- Contests
- Green Team t-shirts
- Certificates

WHAT *can be recycled?*

The most common items recycled at schools are paper, aluminum cans, plastic soft drink and milk bottles, milk cartons, office and notebook paper, cardboard and chipboard.

COMMINGLED

If you can **TEAR** it we can **TAKE** it!
Remove food and liquid from all recyclables.
Remove all lids and place in bin.

Classroom Paper
(all colors)
Office Paper
Newsprint
Construction Paper
Mail
Magazines/Catalogs

Plastics
Aluminum Cans & Foil
Steel Cans
Chipboard
Glass (all colors)
Cartons
Composite Cans
****NO Styrofoam****

These recyclables get emptied into the **BLUE** Roll Carts

CARDBOARD

Corrugated Cardboard
(must break down)
These recyclables get emptied into the **RED** Dumpster

WHAT *can be recycled?*

COMMINGLED

Remove food and liquid from all recyclables -
Remove all lids and place in Commingled Bins

Commingled Bins get emptied into the **Blue** Roll Carts

WHAT *can be recycled?*

PAPER/CARDBOARD

Break down and flatten
corrugated cardboard and place in **RED** Dumpster

These items CANNOT BE RECYCLED

These items cannot be recycled:
Plastic forks, spoons, knives
Paper towels
Napkins
Styrofoam

Recycle plants, shrubs
Bag & grower mixes

HOW

- Green Team Students/Classes
- Staff
- Classroom/Offices/Work Rooms
 - Commingled bins
 - Removed on a weekly schedule
- Cafeteria
 - Blue commingled roll carts
 - Remove food and liquids!
 - Green Team and staff monitor
 - Staff to recycle from kitchen area



WHERE

- Delivered to Pratt Recycling in Rock Hill
- Separated and sent to markets
- Only place accepted material in bins



WHO

- Roles and Responsibilities

- Recycling Coordinator
- Principal
- Custodian
- Cafeteria
- Teachers
- Students

- Our eyes and ears



STUDENT IDEAS

- Posters
- Signs
- Announcements
- School Newspapers
- Clubs
- Fairs
- Displays
- Public Events



Appendices

- A: Fact Sheet
- B: Program Design Sheet
- C: Sample Announcements
- D: Sample Cafeteria Announcements
- E: Sample Letter to Parents
- F: Sample Notice
- G: Sample Letter to Outside Organization

Glossary

- Helpful terms and definitions



What's New....



- All material except cardboard goes in the blue roll cart



- Only Cardboard goes in the red dumpster



- Want to take a tour of Pratt?

Call 803-329-7027

Or email elizabeth.morgan@cityofrockhill.com



Green Rocks!

The Rock Hill Schools Sustainability Initiative

**Presented to the Recycle Rally
August 28, 2014**

heraldonline.com

Schools adopt a greener policyEZ

Rock Hill district 1st in S.C.
with sustainability program

Energy and water conservation and management.

Solid waste minimization through reduction, re-use and recycling.

Efficient and healthy design and construction of school buildings and grounds.

Conservation of natural resources through low-impact grounds maintenance and land use.

O & M of transportation fleet & promotion of alternative transportation to and from school in a manner which helps prevent air pollution.

Environmentally responsible purchasing of products and services.

“We are” ENERGY STAR! :

- **ENERGY STAR Partner**
- **First “STARS” in the state:**
 - ✓ Elementary School
 - ✓ Middle School
 - ✓ High School
- **Seventh office building in the state**
 - ✓ District Office
- **70% of all sites are now labeled**



Green Cleaning Certification

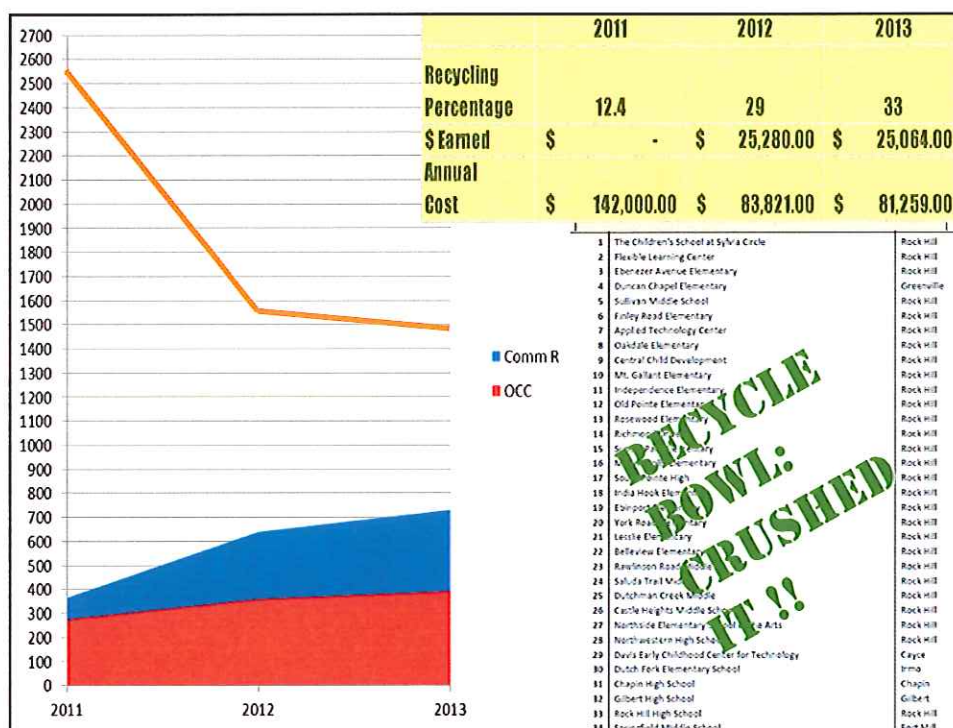
CIMS – What Is It?



- Management framework designed to assist cleaning organizations develop and maintain quality, customer-focused organizations
- Based on universally-accepted management principles that are hallmarks of success
- **CIMS-Green Building:** Set of environmental preferability criteria to serve as framework for development of comprehensive green/sustainable cleaning program



Results



Annual
Report
2013 –
Recycling
Results:

Elementary

Facility	TONS					RECYCLING PERCENTAGE	POUNDS PER STUDENT	\$ EARNED 2013
	MSW	COMMINGLED RECYCLABLES	OCC REC	Recycling Total	Total Waste			
Oakdale Elementary	20.90	20.95	12.55	33.50	54.40	62%	165.0	\$834.33
ParentSmart & Central Child Development Center	8.14	5.24	6.39	11.63	19.77	59%	58.7	\$409.99
India Hook Elementary	25.41	22.64	9.98	32.62	58.03	56%	107.0	\$703.69
Finley Road Elementary	27.94	15.40	15.10	30.50	58.44	52%	152.9	\$1,017.56
Ebinport Elementary	33.88	25.26	9.59	34.85	68.73	51%	113.1	\$678.34
Ebenezer Ave. Elementary	23.65	8.83	13.50	22.33	45.98	49%	143.1	\$882.53
Mt. Gallant Elementary	31.35	18.10	11.35	29.45	60.80	48%	128.6	\$753.26
Richmond Drive Elementary	33.55	17.53	10.40	27.93	61.48	45%	93.7	\$691.03
The Children's School at Sylvia Circle	26.29	9.97	10.26	20.23	46.52	43%	110.8	\$704.32
Independence Elementary	51.04	15.92	14.50	30.42	81.46	37%	111.2	\$936.25
Sunset Park Elementary	28.60	5.54	11.28	16.82	45.42	37%	73.3	\$723.48
Bellevue Elementary	41.35	12.35	10.26	22.61	63.97	35%	100.9	\$692.16
York Road Elementary	29.70	7.09	9.16	16.25	45.95	35%	89.8	\$595.24
Mt. Holly Elementary	36.41	9.10	7.39	16.49	52.90	31%	67.2	\$437.85
Old Pointe Elementary	39.81	0.64	14.35	14.99	54.80	27%	51.6	\$835.66
Lesslie Elementary	34.43	4.92	7.97	12.89	47.32	27%	69.9	\$638.44
Rosewood Elementary	67.42	8.06	13.40	21.46	88.88	24%	70.9	\$884.78
Northside Elementary	50.60	6.28	9.12	15.40	66.00	23%	58.0	\$582.88
TOTAL	610.48	213.82	196.55	410.37	1020.85	41%	98.1	\$13,051.79

KEY:

MSW = Municipal Solid Waste (Garbage)
Commingled Rec = All recyclables except
corrugated cardboard
OCC REC = Corrugated Cardboard

Recycling Percentage = $\frac{(\text{Commingled Rec} + \text{OCC Rec})}{(\text{MSW} + \text{Commingled Rec} + \text{OCC Rec})}$

Annual
Report
2013 –
Recycling
Results:

Secondary
& Office

Facility	TONS					RECYCLING PERCENTAGE	POUNDS PER STUDENT	\$ EARNED 2013
	MSW	COMMINGLED RECYCLABLES	OCC REC	Recycling Total	Total Waste			
South Pointe High	105.82	14.50	37.08	51.58	157.40	33%	76.3	\$2,284.06
Applied Technology Center	31.13	4.96	8.91	13.87	45.00	31%	92.5	\$572.51
Flex Learning Center	39.16	4.03	8.67	12.70	51.86	24%	127.0	\$574.40
Rock Hill High	167.20	8.34	26.85	35.19	202.39	17%	35.2	\$1,135.14
Northwestern High	141.73	9.89	22.25	32.14	173.87	18%	35.5	\$1,419.08
High School TOTAL	465.04	41.72	103.76	145.48	630.52	25%	73.3	\$5,985.19
Sullivan Middle	43.45	15.77	18.55	34.32	77.77	44%	83.5	\$1,251.64
Dutchman Creek Middle	68.31	14.18	13.80	27.98	96.29	29%	61.9	\$853.53
Castle Heights Middle	65.78	13.53	11.35	24.88	90.66	27%	63.8	\$686.18
Saluda Trail Middle	63.80	9.10	14.17	23.27	87.07	27%	59.9	\$922.88
Rawlinson Road Middle	65.67	11.75	10.82	22.57	88.24	26%	74.1	\$725.72
Middle School TOTAL	307.01	64.33	68.69	133.02	440.03	31%	68.6	\$4,439.95
Facilities Services Department	21.67	6.96	11.89	18.85	40.52	47%		\$803.07
Transportation Department	9.35	3.09	4.21	7.30	16.65	44%		\$276.72
District Office	25.30	4.34	7.85	12.19	37.49	33%		\$495.50
District Stadium-211 Cherry Road	12.16	1.42	0.00	1.42	13.58	10%		\$8.33
District Stadium South	20.24	1.31	0.00	1.31	21.55	6%		\$3.30
Offices Total	88.72	17.12	23.95	41.07	129.79	28%		\$1,586.92
GRAND TOTAL	1491.25	336.99	392.95	729.94	2221.19	33%	80.6	\$25,063.85

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Spring
2014 –
Recycling
Results:

Elementary

Facility	TONS					RECYCLING PERCENTAGE	POUNDS PER STUDENT	\$ EARNED 2013
	MSW	COMMINGLED RECYCLABLES	OCC REC	Recycling Total	Total Waste			
India Hook Elementary	10.67	11.41	7.20	18.61	29.28	64%	61.0	\$505.50
ParentSmart & Central Child Development Center	3.85	2.57	3.80	6.37	10.22	62%	32.2	\$262.50
Oakdale Elementary	13.20	9.78	8.60	18.38	31.58	58%	90.5	\$587.00
Richmond Drive Elementary	14.45	11.40	4.50	15.90	30.35	52%	53.4	\$311.50
Finley Road Elementary	13.86	7.39	6.24	13.63	27.49	50%	68.3	\$445.10
Mt. Gallant Elementary	14.08	9.38	5.40	14.78	28.86	51%	64.5	\$382.50
Ebinport Elementary	18.26	13.32	5.50	18.82	37.08	51%	61.1	\$392.50
Ebenezer Ave. Elementary	12.98	4.27	7.90	12.17	25.15	48%	78.0	\$560.50
The Children's School at Sylvia Circle	13.20	5.09	5.80	10.89	24.09	45%	59.7	\$403.00
Bellevue Elementary	19.91	7.28	6.80	14.08	33.99	41%	62.9	\$477.50
Independence Elementary	22.99	8.32	7.70	16.02	39.01	41%	58.6	\$533.50
Lesslie Elementary	18.04	5.63	4.80	10.43	28.47	37%	56.5	\$352.00
Sunset Park Elementary	15.07	2.03	6.30	8.33	23.40	36%	36.3	\$445.00
Mt. Holly Elementary	17.05	4.47	4.66	9.13	26.18	35%	37.2	\$337.10
York Road Elementary	16.28	2.62	4.26	6.88	23.16	30%	38.0	\$308.60
Northside Elementary	26.40	4.82	6.00	10.82	37.22	29%	40.8	\$426.00
Old Pointe Elementary	17.71	0.92	6.00	6.92	24.63	28%	23.8	\$428.00
Rosewood Elementary	27.06	3.10	4.40	7.50	34.56	22%	24.8	\$300.50
TOTAL	295.06	113.80	105.86	219.66	514.72	43%	52.6	\$7,458.30

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Results:

Secondary
& Office

Facility	MSW	COMMINGLED RECYCLABLES	OCC REC	Recycling Total	Total Waste	RECYCLING PERCENTAGE	PER STUDENT	EARNED 2013
Flex Learning Center	18.65	4.19	5.80	9.99	28.64	35%	99.9	\$427.50
Applied Technology Center	14.85	2.13	4.60	6.73	21.58	31%	44.9	\$330.00
South Pointe High	54.56	5.73	18.00	23.73	78.29	30%	35.1	\$1,183.50
Rock Hill High	83.16	4.74	10.80	15.54	98.70	16%	15.5	\$777.00
Northwestern High	71.21	5.09	11.00	16.09	87.30	18%	17.8	\$785.00
High School TOTAL	242.43	21.88	50.20	72.08	314.51	26%	42.6	\$3,503.00
Sullivan Middle	18.04	7.38	5.70	13.08	31.12	42%	31.8	\$410.50
Dutchman Creek Middle	29.59	9.65	7.50	17.15	46.74	37%	37.9	\$529.00
Castle Heights Middle	33.00	8.08	7.50	15.58	48.58	32%	39.9	\$536.50
Rawlinson Road Middle	33.99	5.23	7.50	12.73	46.72	27%	41.8	\$528.50
Saluda Trail Middle	32.56	4.83	7.50	12.33	44.89	27%	31.7	\$538.00
Middle School TOTAL	147.18	35.17	35.70	70.87	218.05	33%	36.7	\$2,542.50
Facilities Services Department	8.47	3.81	5.80	9.61	18.08	53%		\$409.50
Transportation Department	4.29	1.73	2.10	3.83	8.12	47%		\$151.50
District Office	9.57	2.01	5.10	7.11	16.68	43%		\$364.50
District Stadium-211 Cherry Road	1.32	0.00	0.10	0.10	1.42	7%		\$6.00
District Stadium South	10.34	0.00	0.00	0.00	10.34	0%		\$0.00
Offices Total	33.99	7.55	13.10	20.65	54.64	30%		\$931.50
GRAND TOTAL	719.66	180.87	204.86	385.73	1105.39	35%	42.6	\$14,435.30

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Comparison: Spring 2012 - Spring 2014

	Spring '12	Spring '13	Spring '14
Solid Waste	869	731	720
Comm. Rec.	135	177	181
Cardboard	169	183	205
Recycle %	26%	33%	35%
\$ Earned	\$14,608	\$11,482	\$14,435

Cool Collections Tips!

- **RED: Break down those cardboard boxes!**



- **GREEN: Load dumpsters evenly! (Don't overstuff the closest one)**



- **BLUE: Line 'em up, space 'em out (For automated pick up)**



- **ALL: Don't block containers...**

Stadiums & Events

Stadium Recycling!

- Clear Stream Bins
- Collect
 - Beverage containers
 - Chipboard
 - Cardboard
- Announce
- Club Participation
- Special Events too!



Who to Contact



Rock Hill School District

Shirley Gwinn
Administrative Services
Phone: 803-981-1009
Fax: 803-980-2017
Email:
sgwinn@rhmail.org

City of Rock Hill

Elizabeth Morgan
Environmental Educator
Phone: 803-329-7027
Fax: 803-329-5616
Email:
emorgan@cityofrockhill.com

What's Next

School Compost



School Compost

• Before Starting

- Learn, organize, plan
- Gather champions
- Educate and train
- Promote the program



School Compost

● Getting started

- Set up bins
- Provide collection containers
- Have a plan for taking out compost
- Have a plan for turning compost
- Educate



School Compost

● Use your compost

- School gardens
- Flower beds
- Container plants
- Air quality: Plant in Every Classroom projects



School Compost: What to Compost

• YES

- Greens
 - ✦ Fruits/Vegetables
 - ✦ Vegetables
 - ✦ Coffee Grounds/Filters
 - ✦ Egg shells
 - ✦ Tea Bags
 - ✦ Grass clippings/ Garden Scraps
- Browns
 - ✦ Paper
 - ✦ Paper towels
 - ✦ Leaves
 - ✦ Wood Shavings/Sawdust

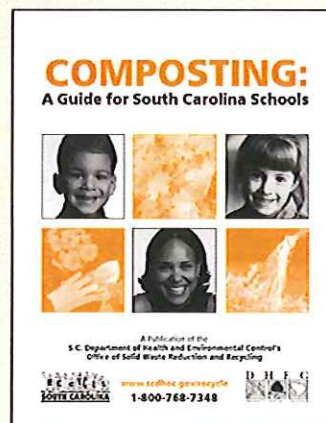
• NO

- Meat
- Poultry
- Fish
- Grease
- Dairy
- Processed Foods
- Coated Papers
- Evergreen leaves
- Plastics
- Pet waste

School Compost: Resources

• School Compost

- Scdhec.gov/compost
- Clemson.edu/extension
- Epa.gov/compost



Resources & Upcoming Events

- Environmental Education Liaisons
- Rock Hill Clean and Green
- York County Collection and Recycling
 - www.yorkcountygov.com/recycle
- SC DHEC Take Action Educational Programs
 - Angie Perry
 - Lara Smithson
 - ✦ larasmithson@greenleafedu.com
 - ✦ 803.627.5493



Recycle Bowl

- Keep America Beautiful Competition
- State and National Prizes
- October 20, 2014–November 15, 2014
- www.recycle-bowl.org



America Recycles Day



Take the America Recycles Day Challenge!
Sign your school up to participate

It's FREE!

- You will be provided with challenge cards for your students and staff to make a promise to do their part for the environment.
- Prizes will be provided for you to hold a drawing for students and staff at your school.
- Then you can turn in the challenge cards for the countywide prize drawing.

