



2015-2016

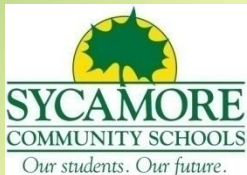
The Road to Green

- Planning Commission study in 2010–2011
 - Go Green workshop in March, 2011
 - Identify top 10-15 opportunities for the district
- District 'Go Green' committee created in Fall 2011
 - Select and drive larger, projects
 - Provide resources and building teams



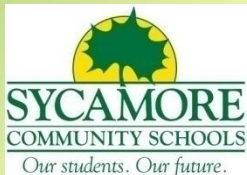
Purpose

- Drive a 'green' culture and behaviors within the Sycamore Community Schools
- Select, pilot and implement district-wide green projects that meet our criteria
- Create partnerships in the community and leverage available resources
- Educate students and staff, "Our students, our future." Sustainability and protecting the environment are important lessons for students.





Success Criteria for 'Green' Initiatives

- Significant green impact
- Broad application—district-wide
- Incites interest & passion
- Opportunity to engage and educate students
- Requires limited resources
- Is repeatable/sustainable
- Ideally, generates cost savings/return investment to the district
- High visibility



History of the Green Initiative Team

Project	Impact on District
Conduct a district-wide waste audit	<ul style="list-style-type: none">• Comprehensive survey of all waste streams• Get a starting benchmark at each building• Involve students
<p>Place co-mingled recycling dumpsters at all schools</p>  <p>The image shows a young man standing on the edge of a yellow recycling dumpster, with his arms raised in a celebratory gesture. The dumpster is filled with various types of paper waste, including newspapers and cardboard boxes. On the side of the dumpster, there is text that reads 'LOCAL FUND RAISING' and 'PAPER RECYCLING'. The background shows a residential area with trees and a house.</p>	<ul style="list-style-type: none">• Enable recycling of more materials• Consistency• Find opportunities for recycling at all levels  <p>The image shows a close-up of several hands wearing blue nitrile gloves sorting through a large pile of waste and recycling materials. The materials include plastic bottles, paper cups, food waste, and other debris. The hands are actively picking up and separating different types of waste.</p>

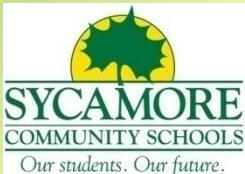
Commercial composting

Project	Impact on District
Composting	<ul style="list-style-type: none">• Sorting stations at all district schools• Diverting 400+ bags of trash from the landfill weekly (77 % reduction)• Compost constables, compost crusaders, recycling rangers



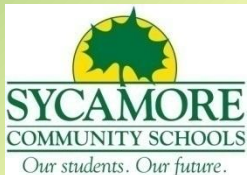
Composting Project Description

- What are we doing?
 - Diverting waste by recycling and commercial composting
- Implemented at all 7 schools
- Funded by a grant from Hamilton County Recycling and Solid Waste District for \$34,201 (2014)
 - Covered implementation costs
 - Provided funding for hauling fees



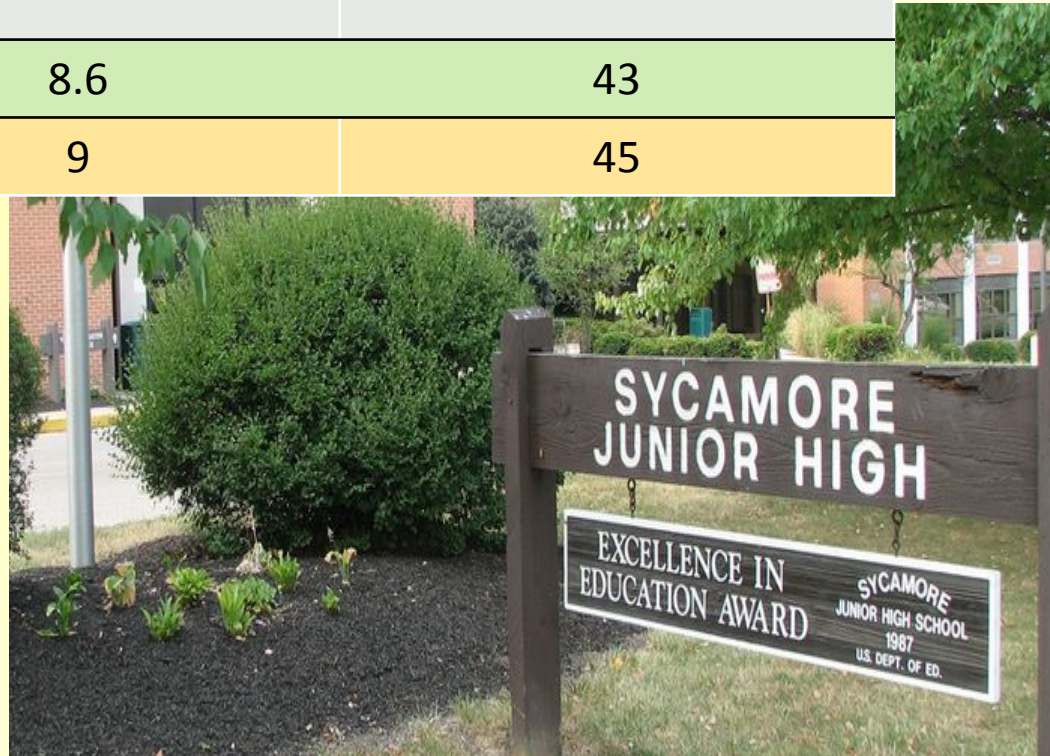
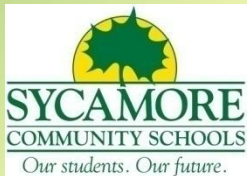
Sycamore High School

	Daily trash (bags)	Weekly trash (bags)
Prior to composting	25	125
After composting 2014-2015	6	30
After composting and washing trays 2015-2016	4	20
Diverted from landfill 2014	19	95
Diverted from landfill 2015	21	105



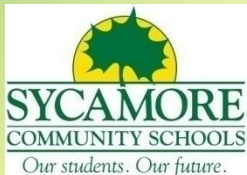
Sycamore Junior High School

	Daily trash (bags)	Weekly trash (bags)
Prior to composting	11	55
After composting 2014-2015	2.4	12
After composting and washing trays 2015-2016	2	10
Diverted from landfill 2014	8.6	43
Diverted from landfill 2015	9	45



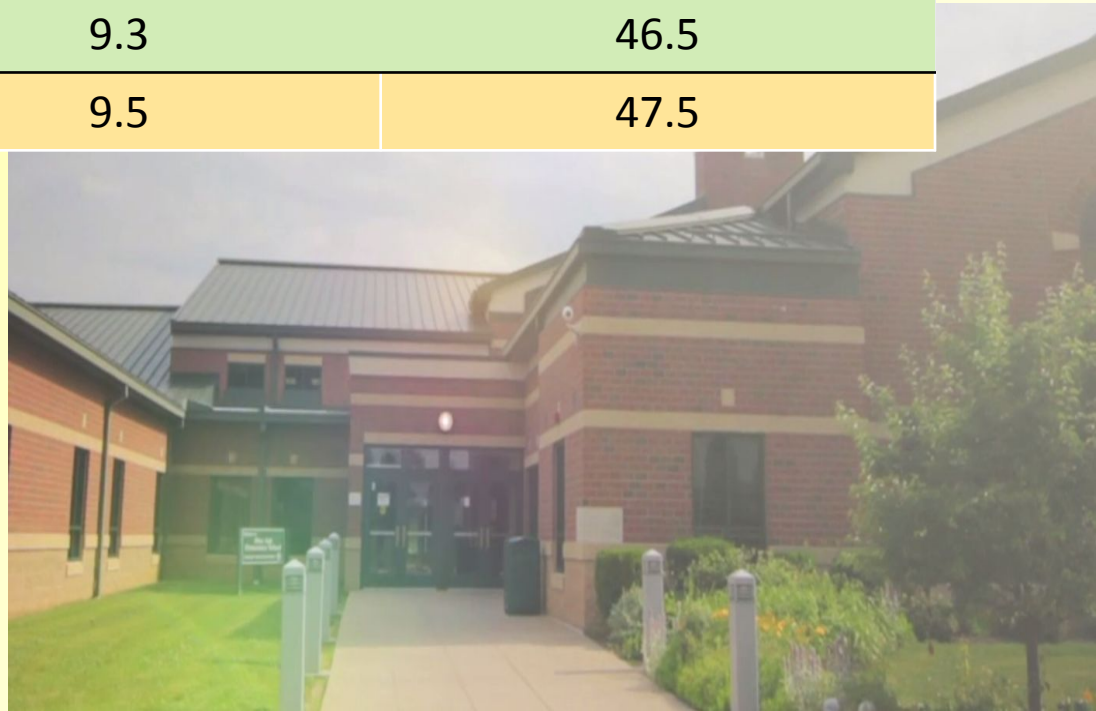
Edwin H. Greene Intermediate

	Daily trash (bags)	Weekly trash (bags)
Prior to composting	20	100
After composting 2014-2015	3.7	18.7
After composting 2015-2016	3.5	17.5
Diverted from landfill 2014	16.3	81.5
Diverted from landfill 2015	17.5	87.5



Blue Ash Elementary

	Daily trash (bags)	Weekly trash (bags)
Prior to composting	13	65
After composting 2014-2015	3.7	18.7
After composting 2015-2016	3.5	17.5
Diverted from landfill 2014	9.3	46.5
Diverted from landfill 2015	9.5	47.5



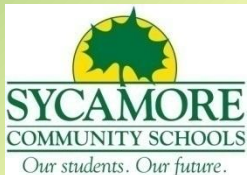
Maple Dale Elementary

	Daily trash (bags)	Weekly trash (bags)
Prior to composting	13	65
After composting 2014-2015	3.2	16
After composting 2015-2016	3	15
Diverted from landfill 2014	9.8	49
Diverted from landfill 2015	10	50



Montgomery Elementary

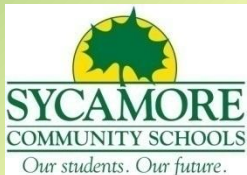
	Daily trash (bags)	Weekly trash (bags)
Prior to composting	14	70
After composting 2014-2015	4.3	21.5
After composting 2015-2016	3	15
Diverted from landfill 2014	9.7	48.5
Diverted from landfill 2015	11	55



Symmес Elementary

...the school that started it all!

	Daily trash (bags)	Weekly trash (bags)
Prior to composting	12	60
After composting 2013-2014	3	15
After composting and washing trays 2014-2015, 2015-2016	2	10
Diverted from landfill 2014	9	45
Diverted from landfill 2015	10	50



And it adds up!

	Daily trash diverted (bags)	Weekly trash diverted (bags)
SHS	21	105
SJHS	9	45
Greene	17.5	87.5
Blue Ash	9.5	47.5
Maple Dale	10	50
Montgomery	11	55
Symmes	10	50
Diverted from landfill weekly	88	440
Annual district diversion	approximately 15,576/year	

...And saves valuable dollars for education!



Recycling

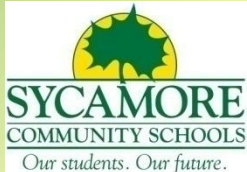
Project

Recycling



Impact on District

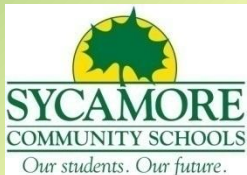
- District-wide waste audit
- Outdoor and indoor recycling containers placed
- 95% of recyclables collected from cafeterias
- Reusable lunch trays utilized at 3 schools. Stacking trays at other schools to reduce waste volume.



Reducing our energy use...

Project	Impact on District
Energy management	<ul style="list-style-type: none"> • Strong growth in energy savings • Implementation of behavior changes in district • HB 264 Energy Conservation Project

TOTAL PROGRAM SAVINGS				-\$952,905.06	-\$1,095,707.3	-\$1,268,230.9	-\$1,287,010.2
2 YEAR TOTAL					-\$2,048,612.4		
3 YEAR TOTAL						-\$3,316,843.4	
4 YEAR TOTAL							-\$4,603,853.7



Energy Management/Efficiency

ELECTRICITY									
	BASELINE								
SCHOOL	FY11	FY12	FY13	FY14	FY15	FY12 vs FY11	FY13 vs FY11	FY14 vs FY11	FY15 vs FY11
BLUE ASH	\$151,742.80	\$122,677.46	\$118,476.37	\$96,629.25	\$105,024.69	-\$29,065.14	-\$33,266.23	-\$55,113.35	-\$46,717.91
MAPLE DALE*	\$121,704.90	\$88,160.96	\$87,916.51	\$69,388.81	\$73,321.98	-\$33,543.94	-\$33,788.39	-\$52,316.09	-\$48,382.91
MONTGOMERY	\$136,717.52	\$111,751.94	\$104,175.22	\$91,915.20	\$100,448.11	-\$24,965.58	-\$32,542.30	-\$44,802.32	-\$36,269.41
SYMMES	\$107,476.57	\$60,681.64	\$60,748.87	\$53,365.31	\$58,076.27	-\$46,794.93	-\$46,727.70	-\$54,111.26	-\$49,400.30
EH GREENE	\$204,768.32	\$157,263.98	\$143,319.73	\$127,892.33	\$133,947.01	-\$47,504.34	-\$61,448.59	-\$76,875.99	-\$70,821.31
JUNIOR HIGH	\$257,739.94	\$208,874.09	\$198,651.56	\$180,797.73	\$186,464.05	-\$48,865.85	-\$59,088.38	-\$76,942.21	-\$71,275.89
HIGH SCHOOL	\$1,437,089.50	\$806,228.72	\$669,052.96	\$643,157.40	\$650,309.12	-\$630,860.78	-\$768,036.54	-\$793,932.10	-\$786,780.38
DISTRICT OFFICE:								\$4,387.84	-\$3,851.00
								\$58,481.11	-\$1,113,499.11
GAS									
SCHOOL								vs FY11	FY15 vs FY11
BLUE ASH								\$6,129.87	-\$21,318.01
MAPLE DALE*								\$8,870.99	-\$54,326.51
MONTGOMERY								\$4,540.22	-\$18,982.61
SYMMES								\$8,130.98	-\$22,329.01
EH GREENE								-\$515.55	-\$31,405.51
JUNIOR HIGH	\$53,317.05	\$25,351.66	\$37,980.66	\$37,367.00	\$31,792.97	-\$27,965.39	-\$15,336.39	-\$15,950.05	-\$21,524.01
HIGH SCHOOL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DISTRICT OFFICES	\$5,684.53	\$4,248.75	\$5,733.66	\$3,017.52	\$2,059.30	-\$1,435.78	\$49.13	-\$2,667.01	-\$3,625.21
		TOTAL SAVINGS							
				\$201,306.43	\$147,617.54				
		TOTAL PROGRAM SAVINGS							
		2 YEAR TOTAL							
		3 YEAR TOTAL							
		4 YEAR TOTAL							

\$4,603,853.70 in cumulative savings from FY12 – FY15 compared to FY11

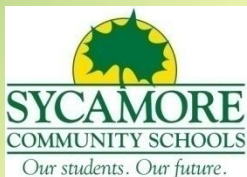
Other Green Initiatives

Project	Impact on District
Green cleaning	<ul style="list-style-type: none">• Use of green cleaning products across the district
Storm water reduction	<ul style="list-style-type: none">• Implementation of rain barrels provided to all district school buildings• Rain garden at SHS
Water bottle filling stations (HS, JH)	<ul style="list-style-type: none">• Reduction of plastic water bottle, increase in reusable bottles, less waste

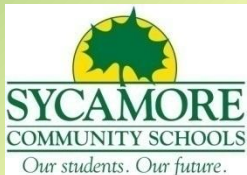


Recognition and awards

- Symmes Elementary—recognized in 2013 as Outstanding School Recycling Program Award by Hamilton County Recycling and Solid Waste
- Sycamore Community Schools—recognized in 2014 with The John Van Volkenburgh Award which represents the highest achievement award presented by Hamilton County Recycling and Solid Waste for innovation in recycling and achieving outstanding results.
- Sycamore Community Schools—recognized as a “District of Distinction” in the November 2014 issue of District Administration magazine (a national publication and recognition).



John Van Volkenburgh Award



Sycamore recognized nationally!

DISTRICTS OF DISTINCTION

List of Honorees 2014 *(continued)*

Keokuk Community School District, Iowa

Project: K-Pride
Category: Graduation rate
Superintendent: Tim Hood
<http://tiny.cc/1114006>

Lake Orion Community Schools, Mich.

Project Name: Kindergarten Reading Early Intervention Program
Category: Student achievement
Superintendent: Marion Ginopolis
<http://tiny.cc/1114023>

Maplewood Richmond Heights School District, Mo.

Project: Cornerstone: Our Remarkable District Transformation
Category: Innovative building design/philosophy, facilities
Superintendent: Karen Hall
<http://tiny.cc/1114121>

McPherson Unified

School District, Kan.

Olathe Public Schools, Kan.

Project: Camp Kindergarten
Category: Early learning
Superintendent: Marlin Berry
<http://tiny.cc/1114074>

Otsego Public Schools, Mich.

Project: Fill the Gaps Fall
Category: Student achievement
Superintendent: Jennifer Moore
<http://tiny.cc/1114036>

Sycamore Community Schools, Ohio

Project: District Green Initiatives, District-Wide Commercial Composting
Category: Efficiency and operations of the district, reducing costs
Superintendent: Adrienne C. James
<http://tiny.cc/1114032>

WEST

Bethel School District, Wash.

Project: Energy/Resource Conservation

Dysart Unified School District, Ariz.

Project: iPAL
Category: Personalized/individualized learning
Superintendent: Gail Pletnick
<http://tiny.cc/1114014>

Encinitas Union School District, Calif.

Project: Creating a Healthy Green School District
Category: Health and wellness
Superintendent: Timothy Baird
<http://tiny.cc/1114037>

Kent School District, Wash.

Project: iGrad
Category: Personalized/individualized learning
Superintendent: Edward Lee Vargas
<http://tiny.cc/1114140>

Napa Valley Unified School District, Calif.

Project: Napa NexTech: Transforming

2015–2016 Green Initiatives

Project	Priority	Goal
Enhancing district recycling	Waste diversion	Increase recycling and sustainability in Sycamore Schools, increase number and visibility of locations
Sustaining commercial composting	Waste diversion	Increase student involvement in leading this initiative. Increase use of washable lunch trays.
Publicity/Green Education	Public information	Increase the awareness and understanding of the green initiatives in the Sycamore Community Schools. Produced a video.
Benchmarking/Measurement	Data/Verification	Provide a method to track the progress of each school and compare to similar size building. Track performance.



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QUESTIONS?

