



Beaumont Health System Green Team

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LEED Green Associate

Beaumont Health System



Beaumont Health System

u Royal Oak

- u Beds: 1,040 Med/Surg + 30 Mental Health = 1,070 Licensed Beds
- u Hospital square footage: 2,173,509 sq. ft.
- u Campus 3,142,384 sq. ft. (excluding decks); Parking Decks 1,550,583 sq. ft.

u Troy

- u Beds: 406 Med/Surg Current + 12 Rehab on 12/31/12 = 418
- u Hospital square footage: 805,599 sq. ft.
- u Campus 1,625,634 sq. ft. (excluding decks); Parking Decks 367,055 sq. ft.

u Grosse Pointe

- u Beds: 250 Med/Surg + 30 Select Specialty LTCH = 280
- u Hospital square footage: 325,646 sq. ft.
- u Campus 361,580 sq. ft. (excluding decks); Parking Deck 148,000 sq. ft.



Green Recognition



Partner for
Change 2013

Partner with Experts: Healthier Hospitals Initiative

The screenshot shows the website's header with navigation links: Login, Enroll Now, Contact, and a search bar. Below the header is a main banner featuring the Healthier Hospitals Initiative logo and the text "Leading Communities to a Healthier Future". A photograph of a smiling child is part of the banner. Below the banner are sections for "The Spark Blog" and "News Updates", both indicating "There are currently No Blog Updates" and "There are currently No News Updates". On the right side, a box titled "HHI CHALLENGES" lists six items: Engaged Leadership, Healthier Food, Leaner Energy, Less Waste, Safer Chemicals, and Smarter Purchasing.

Healthier Hospitals INITIATIVE

Leading Communities to a Healthier Future

HHI has a real impact on the health and safety of patients, staff and communities

HHI CHALLENGES

- + Engaged Leadership
- + Healthier Food
- + Leaner Energy
- + Less Waste
- + Safer Chemicals
- + Smarter Purchasing

The Spark Blog | Archive

News Updates | Archive

There are currently No Blog Updates

There are currently No News Updates

Get Inspired

2012 - 13: 6 Challenges

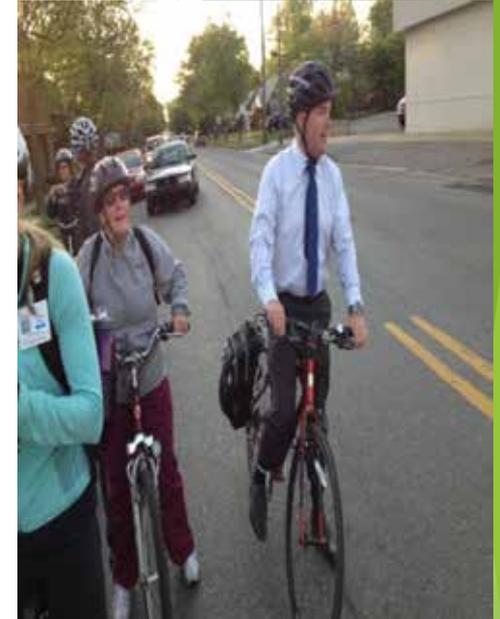
- ☑ Engaged Leadership
 - ☑ Commitment to 10 leadership activities Level 3
- ☑ Healthier Food
 - ☑ Reduce meat by 20%
 - ☑ Increase healthy beverages by 20%
 - ☑ Increase local / sustainable foods by 20% Level 3
- ☑ Leaner Energy
 - ☑ Reduce energy by 3% Level 1
- ☑ Less Waste
 - ☑ Achieve 15% recycling rate
 - ☑ Achieve less than 10% or 3 lbs/APD of RMW Level 2
- ☑ Safer Chemicals
 - ☑ Healthy interiors (25%) Level 1
 - ☑ 90% green cleaning
 - ☑ DEHP/PVC free products
- ☑ Smarter Purchasing
 - ☑ Surgical kit review
 - ☑ EPEAT certified electronics
 - ☑ Increased SUD expenditure Level 2



Engaged Leadership Challenge

23 indicators:

- § 6 strategic priority
- § 7 operational focus
- § 5 systematic communication
- § 5 stakeholder engagement



CHALLENGE LEVELS

- ✓ Level 1: Commit to 3 Leadership activities
- ✓ Level 2: Commit to 5 leadership activities
- ✓ Level 3: Commit to 10 leadership activities

Engaged Leadership: Strategic Priority

- u Sustainability plan
- u Sustainability executive owners
- u Budget



Green & Sustainability Plan - 2013
January 22, 2013

		STRATEGY & SCHEDULE																
		D = Design	T = Test	I = Implement	C = Complete	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Healthy Environment	RH1: Engaged Leadership (level 3) - Kay, Nicole																	
	IA System Green Video Conf																	
	IB Communication progress to the board A) Annual Report B) Management Co.																	
	IC Share sustainability practices within the industry. A) Green Demonstration B) On Site Conf C) Case Studies																	
	ID Leaders to serve as spokespersons A) MMA Committee B) MMA Conf. Clean Med - Geraldine (Healthy Interiors) C) Interiors Conf																	
	IE Identify sustainability in Community Benefit Report (Send Forgotten Harvest; Gift Shops; World Relief) to Julie Kitchen																	
	IF Seek State & National Recognition (Corp mag, Free Press, LHQ)																	
	IG Education - \$500 CGG B) 6 TownHalls, C) 12 blogs, D) LEED Class, 12 LEED Certif. @ current) Current CGG.																	
	IH Spread Green to off site buildings (BSC - Carrie McCaughy) FSC - Robin, BHC - Suzanne Morrison, W Bloomfield - Jennifer)																	
	II Site visits: Green Garage Lunches: 1M Energy Options, Lansing (LEED O & M Platinum)																	
	IJ Develop patient info about green (electronic display or ppt TV)																	
	IK Peds Grand Rounds (March 5, 8:30-9:30 am) - support from Rainbow Babies Hospital																	
	IL Town Hall Schedule																	
	HH Challenges	RH2: Healthier Food (level 3) and Garden - Maureen																
		IIA Decrease meat - Healthy Beverages																
IIB Sustainable food purchasing (LEED MR, Credit 5)																		
IIC Establish Plan for Potential Organic Garden Sites (SO, IC, Walkway No, Des, Fitness, Employee Garden)																		
LEED EBOM Gap Analysis	IID Establish process for patients and children to garden (C&C & Rice Therapy Child Time)																	
	RH3: Leaner Energy (level 1: 3%) - Clay and Gic																	
	IIIA Track Energy Star Rating: 80.20, GP 19, Try 4 - Energy Star 4																	
	IIB LEED O & M Gap Analysis - Jasmine Davis																	
BUSINESS CASE	IIC Assess specs for renovation & new construction (LEED MCB Neuroscience - Jason Bell) - Kristine DeBus																	
	IID Develop plan (short or long term) for alternative energy (LEED SA, Credit 4)																	
	IIE Participate in Hospital Energy Alliance (DEE) - Kay, Tom K, Clay, Tom Miralwa																	
	IIIF Track metrics for Naico chemical supplier - Clay																	
	IIIG Kaizen other buildings for energy/water opportunities (BAC, etc) - Clay, Rob, Rob, Ross																	
	IIIH 2013 Energy Projects																	
	IIIJ U of M Storm Water Management Landscape Project - Julie Hamilton (LEED SS, Credit 4)																	
	RH4: Less Waste (level 1) - Kris																	
	IV.A Achieve 15% compared to total waste (LEED MR, Credit 7.50%) - Current: 25%																	
	IV.B Compost - Maureen																	
IV.C On site reuse room & process																		
IV.D Garage sales schedule quarterly - Mark Simmons																		
IV.E Amnesty days schedule monthly - Mark Simmons																		
IV.F Metal waste recycling - Pam B (DR/Outpost)																		
IV.G Process for unused equipment (contour - Dan Zimba, Ken Hodgson)																		
IV.H Electronic metrics - R. Short																		
CURRENT CONDITION	RH5: Smarter Purchasing (level 1) - John H																	
	V.A Surgical kits - (Pack utilization review - Dec 10, Jennifer W. Parry) Goal 80%																	
	V.B Reprocessing (Stryker - Jennifer W)																	
	V.C EP&A - (Energy Star computers) - Rob Short																	
	V.D Office Depot - metrics - Rob Tucker, Larry Chaney, Carlos, Celia - current green and recycles spend is 26% (mostly toner cartridges) (LEED MR, Credit 1)																	
	V.E Develop packet for hosting a green conference (menu, materials, recycles)																	
CURRENT CONDITION	RH6: Safer Chemicals (level 1) - Geraldine																	
	VIA Healthy Interiors - Geraldine (LEED MR, Credit 2 - 3) Goal 25% current: 25%																	
	VIB Green Cleaning - Kris (LEED EQ, Credit 2)																	
	VIC ODP and PVC Reduction - John Harmons, Conf Call Rainbow Babies																	
	Alternative Commuting Transportation (LEED SS, Credit 4)																	
	VII.A Complete Streets Plan, Woodward Action Group																	
	VII.B MR Rideshare																	
	VII.C Michigan Program																	
	VII.D Expand number of cyclists bike event, bike workshop, ride your bike to work day)																	
	VII.E Charging stations																	
VII.F Promoted parking for carpools, #Signed up																		
VII.G Transportation fair																		
VII.H Seek Bike Friendly status: League of American cyclists Bike Map																		
VII.I Grand Funds - need funding																		

013: spend \$1,319,176
target 2013: \$519,250
cheva
current 25%

Nicole Duncan, Kay Winkor, Norm Cissold, Patrick O'Neil, John Harmons
Amanda LaVos, Michelle DeRidgely, Steve Wilkowsk, Connie O'Malley, Tom Kwiatkowski, Lisa Thomas, Ann Kout,
Tim Rowlett, Mark McPerson, Rob Kipatrick, John Fraggomeni

Engaged Leadership: Operational Focus

- u Operational Steering Committee
 - u System Green Team
 - u Divisional Green Teams
- u Sustainability Responsibilities
 - u Green Team member ownership (HHI)
 - u Green Officer job description
- u Measurable Sustainability Objectives
 - u HHI Plan



Royal Oak: Green Team
AGENDA

Tuesday - February 12, 2013
2:00 p.m. - 3:00 p.m.

JDL Conference Room

- I. Updates:
 - a. Management Committee Update
 - b. HHI Challenge Updates
 - i. Engaged Leadership: Kay
 - ii. Healthier Food: Maureen
 - iii. Leaner Energy: Glen
 - iv. Less Waste: Kris
 - v. Smarter Purchasing: John
 - vi. Safer Chemicals: Geraldine
 - c. Complete Streets Plan/Non-Motorized Transportation Planning
 - d. Composting (Maureen)
 - e. MI Van
- II. Education
 - i. LEED Gap Analysis Update
- III. Green Blog
 - a. Bike Summit
 - b. Additional ideas: alternative energy, car charging, green roofs, Green Video

TARGET CONDITION		
1. Implement all 22 leadership activities - extended		
2. Decrease meat purchases by 20% in 3 years. Target 2013: spend \$1,319,176		
3. Increase healthy beverage purchases by 20%/year. Target 2013: \$519,250		
4. Increase % of local/sustainable food by 20%/year or achieve local sustainable food purchases of 15%. (maintain - Current 25%)		
5. HHI Goal 15%, achieved. Beaumont's goal: 35%		
6. Decrease energy use by 3%		
7. HHI Goal 25%, achieved		
8. Assess 80% of surgical kits for waste.		

Engaged Leadership: Systematic Communication

- u Communicate progress to leadership
 - u Executive Management Committee
 - u Organizational leadership & medical staff
- u Annual Sustainability Report
- u Provide feedback mechanism for sustainability initiatives
 - u Green blog
 - u Green officer town halls
 - u Green website
 - u Green officer email blast



Beaumont is going GREEN...
Board of Trustees Meeting
May 22, 2012

Beaumont's Green Team is committed to implementing solutions to optimize the health environment for the patient, guests, staff, and the local community while simultaneously reducing the negative impact to the environment.



Going green at Beaumont, Royal Oak



Recent Blogs

Green greetings
October 21, 2011

Welcome to the Green Team Blog! This is the place for up-to-date information on green efforts at Beaumont, Royal Oak. Along with the rest of us, you will hear from guest bloggers who have expertise on energy conservation, waste management, green roofs, plug-in vehicles, carpooling opportunities, farmer's markets and more!

One change you can make today: Give revolving doors.



While they're powered, revolving doors use the same energy, the use of the revolving door saves more fuel in heating and cooling costs of the air. Set the thermostat to the minimum above 65°F.

About the Green Team
Royal Oak
Roxbury
and People
Hospital
Team on 5-20-11.

About the Green Team
Look for it
in the
Hallway
in a
Small Meeting
Room at the

Links
Beaumont
Beaumont

Archive
Post Page
October 21, 2011

Engaged Leadership: Stakeholder Engagement

- u Education / Engagement
 - u Green officer certification
 - u Employees, leaders & medical staff
 - u Hospital orientation



Engaged Leadership: Stakeholder Engagement

- u Share best practices in industry
- u Partnered with JLL to publish articles
 - u “Kaizens help Beaumont achieve hundreds of thousands in savings yearly”
 - u “Five steps to an award-winning green program with Beaumont”
 - u “Beaumont and Jones Lang LaSalle meet Healthier Hospitals Initiatives challenges”
 - u “Beaumont and Jones Lang LaSalle join forces in the Hospital Energy Alliance”
 - u “Beaumont’s journey to LEED”
- u Featured in HHI’s monthly The Spark newsletter



Safer Chemicals Challenge

CHALLENGE LEVELS: IMPLEMENT 1, 2 OR 3

- u Healthy Interiors (25%) 
- u Purchase 90% Green Seal or EcoLogo certified cleaning products for carpet, window, all purpose, and bathroom cleaners
 - u Royal Oak: 66%
 - u Troy: 66%
 - u Grosse Pointe: 74%
- u Eliminate DEHP/PVC from one of seven identified product lines
 - u Breast pumps, enteral nutrition products, parenteral infusion devices and sets, general urological (irrigation / urology sets and solutions, urinary catheters), exam gloves, umbilical vessel catheters, and vascular catheters

Healthy Interiors

Ensure that 25% of annual volume of freestanding furniture and medical furnishings, purchases based on cost, eliminate the intentional use of halogenated flame retardants, formaldehyde, perfluorinated compounds and PVC (also known as vinyl)

Product	Free of Materials of Concern (list)	Contains Materials of Concern (list)
Adaptable Comps - Wksr, Up Stor, Lghtng		\$ 148,898
Improv, Comforto 12		\$ 393,516
Jump Stuff		\$ 754
Kinetics, Tempo, Tactics, Planes, Cmpose	\$ 18,977	
Wood Casgoods & Wood Seating	\$ 72,994	
Premise & X-Series Files	\$ 186,674	
Premise Systems		\$ 206,674
Seating Fabric	\$ 554	
Systems Fabric	\$ 4,794	
Very Seating Line	\$ 173,599	
X-Series Peds & 950 Files	\$ 109,860	
Zody	\$ 2,151	
Total	\$ 569,603	\$ 749,842
Percentage of List Sales	43%	57%



Smarter Purchasing Challenge

CHALLENGE LEVELS: IMPLEMENT 1, 2 OR 3

- u Surgical kit review: all 40 custom packs reviewed ✓
- u EPEAT certified electronics: \$2,435,133 in 2012 ✓
- u Increase expenditure of approved SUD devices by 50%



Less Waste Challenge

CHALLENGE LEVELS: IMPLEMENT 1, 2 OR 3

u Reduce regular medical waste to less than 10% of total waste or less than 3 lbs/APD

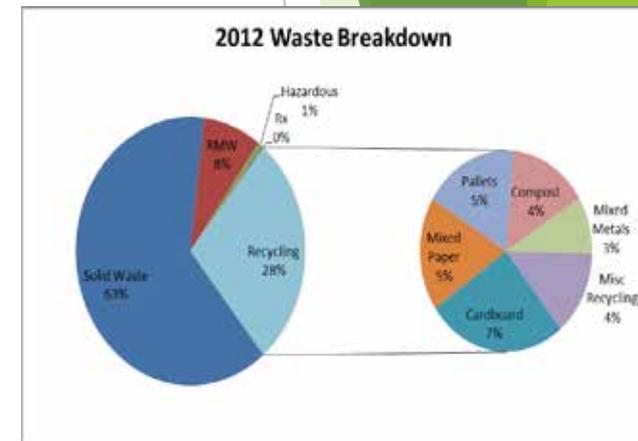
u RMW = 8.81% of total waste

u 1.64 lbs/APD

u Achieve a 15% recycling rate

u Recycle rate = 22%

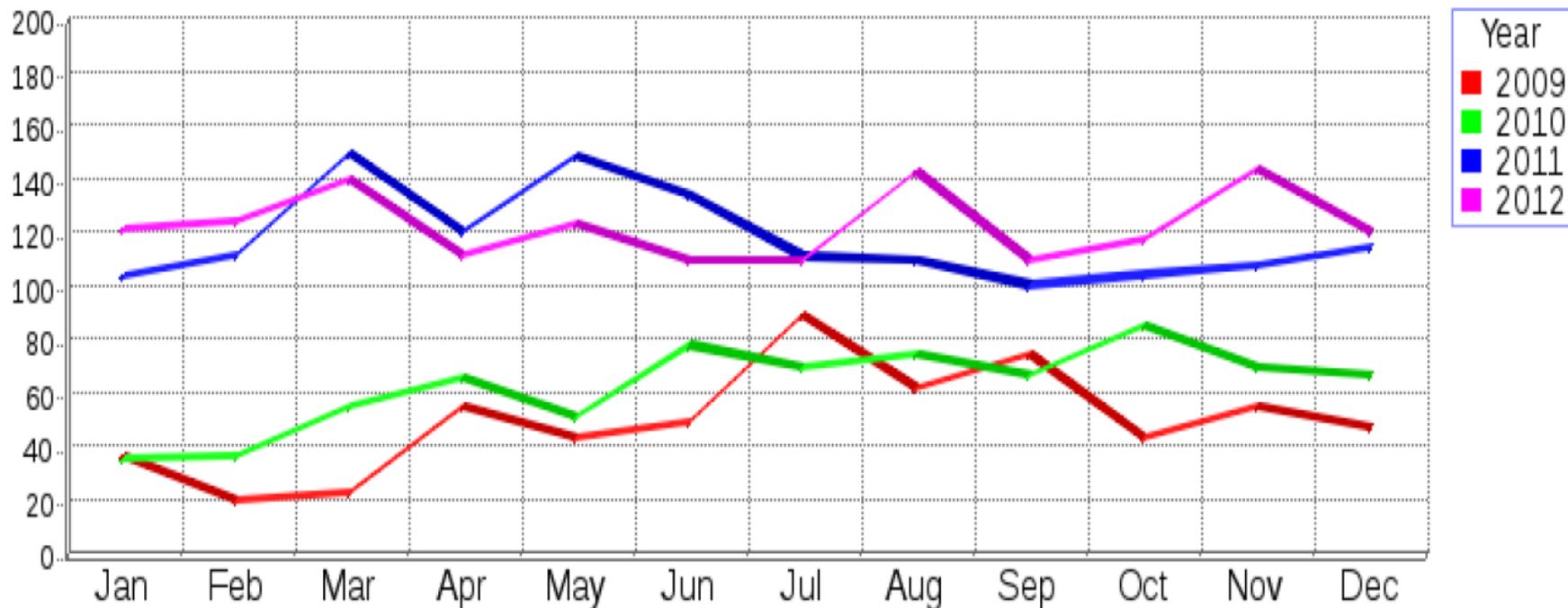
u Implement a construction & demolition debris recycling program for major renovations & new construction to achieve at least 80% recycle & diversion rate



Recycling Efforts

- u 2009: cardboard, batteries, thin prep vials, xylene, electronics, lamps, mercury devices, methanol, used oil, kitchen grease
- u 2010: lead scrap, compressor oil, histology solvent, freon containing equipment, gasoline
- u 2011: ink jet cartridges, mixed paper, mixed metals, mixed plastics, blue wrap, shrink wrap, pallets, hydraulic oil
- u 2012: coffee grounds, blue towels, garage sale items, pickle buckets, returnable pop cans, donations, clear glass, reusable sharps containers, SCD reprocessing, cell phones, inhaler donations
- u 2013: Composting

Recycling in Tons



Recycling increased from 40 tons / month in 2009 to 120 tons / month in 2012

Green Facts 2012

Reduced CO₂
emission equals



3,248 cars
permanently
removed from
roads

Saved water
equals



1,139
Americans'
annual water
usage

Saved energy
equals



1,677 American
households'
annual
electricity usage



We also saved 16,247 trees and
3,767 cubic yards of landfill space in 2012